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Current Economic Analysis F-**31**

Food Fish Market Review

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U.S. DEPARTMENT OF COMMERCE
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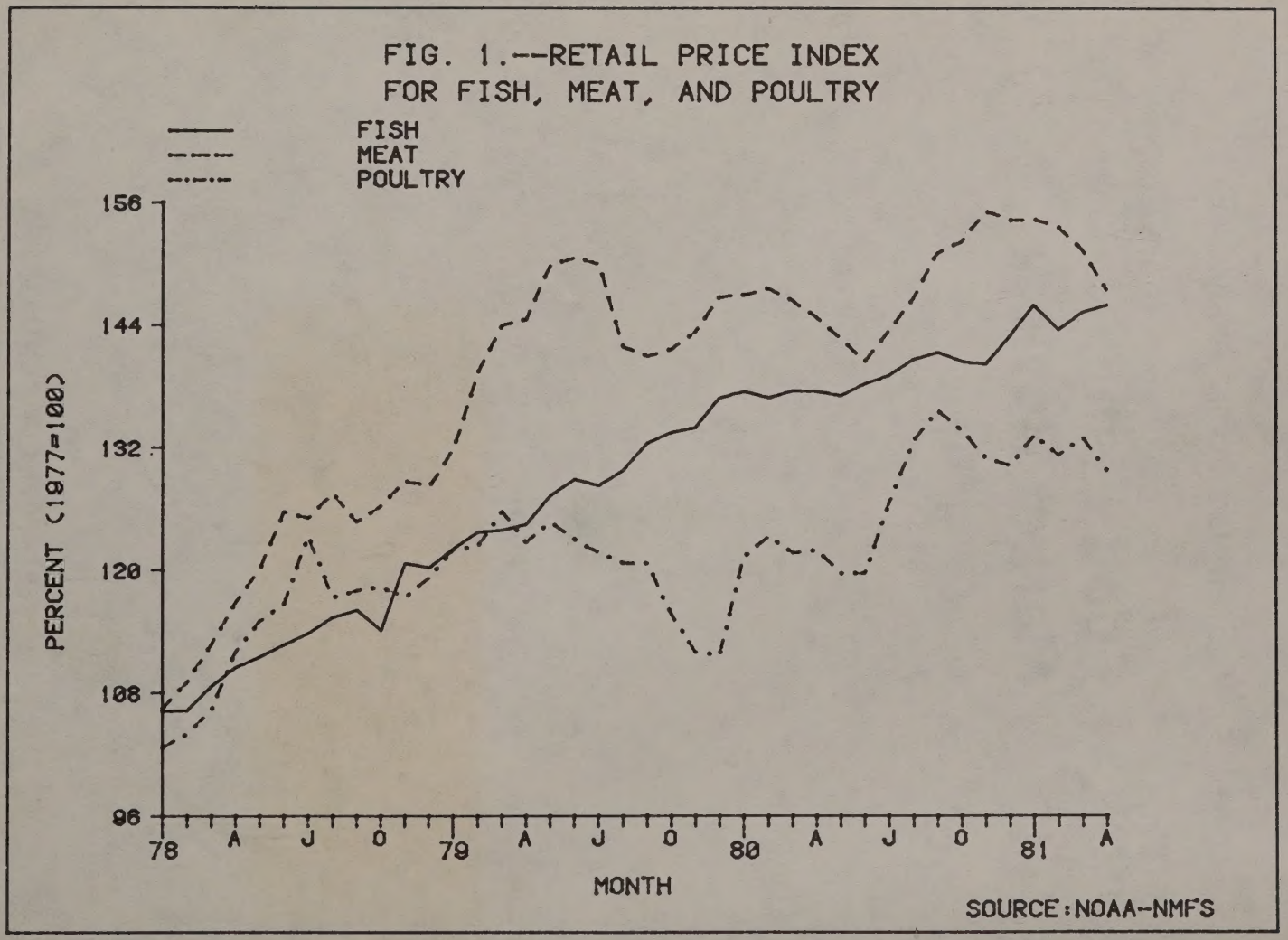
FIG. 1.--RETAIL PRICE INDEX
FOR FISH, MEAT, AND POULTRY
FISH
MEAT
POULTRY
156
144
132
120
108
96
PERCENT (1977=100)
78
A
J
O
79
A
J
O
80
A
J
O
81
A
MONTH
SOURCE: NOAA--NMFS

FOOD FISH MARKET REVIEW

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SUMMARY

Consumption of most finfish products in 1980 continued the decline that began in the second quarter of 1979. Demand was lower because the U.S. economy was sluggish with a sharp decline in the second quarter in real disposable personal income. Although restaurant sales increased 10.6 percent from 1979, real sales (adjusted for inflation) declined 1.5 percent. Increased grocery store sales helped (up 2.3 percent in real terms), but higher prices of fishery products (up 7.4 percent) discouraged many buyers as tighter supplies and lower inventories kept prices from falling. The record high interest rates in the second and fourth quarters raised the carrying cost of inventories and other types of short term loans. At the same time, meat prices rose only 2.7 percent, and poultry prices were 5.2 percent higher than in 1979. Larger meat and poultry supplies at the retail level caused the smaller price increases.

Fish sticks and portions: Supplies and consumption of fish sticks and portions in 1980 were lower, and the decline was focused on the drop in restaurant sales. In turn, production of sticks and portions was cut back. Prices for pollock and whiting products were substantially higher, while cod products were moderately higher, primarily in the last month or two of 1980.

Fish blocks: The drop in the fish stick and portion market was mirrored by a decline in the use of blocks. The supply of blocks was tight in the second half of 1980. Supplies of major species of blocks (cod, Alaska pollock, and whiting) were hampered by a strike in Newfoundland, and by drops in shipments from the Republic of Korea, Iceland, Argentina, and Uruguay. The tight supply in the latter part of 1980 induced an increase in prices for the major species.

Groundfish fillets: The supplies of groundfish fillets in 1980 were tight for cod, turbot, and ocean perch. Improved landings for cod, yellowtail flounder, and haddock were offset by lower imports. With holdings drawn down during the year, supplies became tight in the second half of 1980. Prices for frozen fillets were mixed. Prices for haddock were steady during the year, while cod and turbot fillet prices strengthened in the second half. Prices for flounder and ocean perch fillets were generally weak for most of the year.

Salmon: The salmon fishery recorded the third highest landings in history. The increased catch was reflected in a one-third increase in the pack and in an improved supply of fresh and frozen salmon. The export market for canned salmon was excellent, while the export trade for fresh and frozen salmon was off

from a year earlier. Domestic sales for both fresh, frozen, and canned salmon were higher. Canned salmon prices rose slightly, but prices for fresh and frozen salmon were substantially lower.

Tuna: The demand for canned tuna in 1980 dropped, and triggered a 3-percent decline in the pack. Receipts of domestic-caught tuna were off slightly, and imports of raw tuna were lower. Prices at all levels were substantially higher and were a factor in the decline in sales and the pack.

Outlook: The outlook is based on assumptions of the economy improving slightly because of the proposed tax cut for individuals and for businesses in the second half of 1981. Interest rates continue to be high. They are expected to moderate, if there is a dampening of the inflationary pressures in the economy. Secondly, real sales in restaurants projected by the National Restaurant Association are expected to increase 0.6 percent in 1981 compared to a 1.5-percent decline in 1980. The U.S. Department of Agriculture has forecast a 15- to 17-percent increase for beef and poultry prices, and pork prices are expected to increase even more in the second half of 1981. These factors should help sales of fishery products.

The supply of groundfish blocks and fillets are tight for most species, and prices have advanced starting in late 1980 and continuing in the first quarter of 1981. Fishing by major U.S. suppliers will be picking up seasonally in the second quarter, and should begin to replenish supplies thereafter. Except for Canada, landings of major groundfish suppliers are expected to decline from a year earlier. If no interruptions occur in 1981 as did last year when a strike in Newfoundland suspended fishing for several weeks, Canadian catches could be about the same as in 1980.

Salmon is moving well, and stocks by the start of the harvesting season should be low. The Alaska Department of Fish and Game forecasts the 1981 catch to be one-third below the excellent 1980 catch, but still one of the better ones in recent years. A larger decline in pinks is expected with smaller drops in catches of chums, silvers, and sockeyes. Because of the smaller catch, prices will probably be higher. However, salmon prices will depend on negotiations between fishermen and processors and on the strength or weakness of foreign demand for canned and frozen salmon.

Demand for tuna should pick up, based on a large increase in meat and poultry prices. Exvessel prices in the first quarter of 1981 were unchanged from 1980, and wholesale and retail prices should increase less than a year earlier.

FISH BLOCKS, STICKS AND PORTIONS

STICKS AND PORTIONS

Consumption of fish sticks and portions in 1980 retreated from last year's record level (table 1 and fig. 2). Sales of sticks and portions were affected by the decline in real disposable income and in real restaurant sales (adjusted for inflation). Holdings were higher during the first 8 months of 1980, and production of sticks and portions was lower. Although demand was off, prices increased because of tight supplies of cod and pollock blocks.

Table 1.--Supply and use of fish sticks and portions, 1976-78 average, 1979, and 1980

Component	1976-78 average	1979	1980
	Million pounds		
Beginning stocks	32.3	37.1	41.7
Production			
Sticks	91.8	96.0	88.4
Portions	361.6	396.1	361.2
Total	453.4	492.1	449.6
Imports	.9	2.4	1.4
Total supply	486.6	531.6	492.7
Ending stocks	32.9	41.7	32.0
Apparent consumption	453.7	489.9	460.7

Total production of fish sticks and portions in 1980 was 450 million pounds--off 9 percent from a year earlier (table 2). Production of batter-coated products declined 14 percent from 1979 after several years of substantial increases. In addition, production was slowed as processors tried to reduce the fairly high level of inventories at the start of 1980. Inventories were below a year earlier by August 1; by the end of 1980, they were 23 percent below a year earlier, and were just under the 1976-78 average holdings.

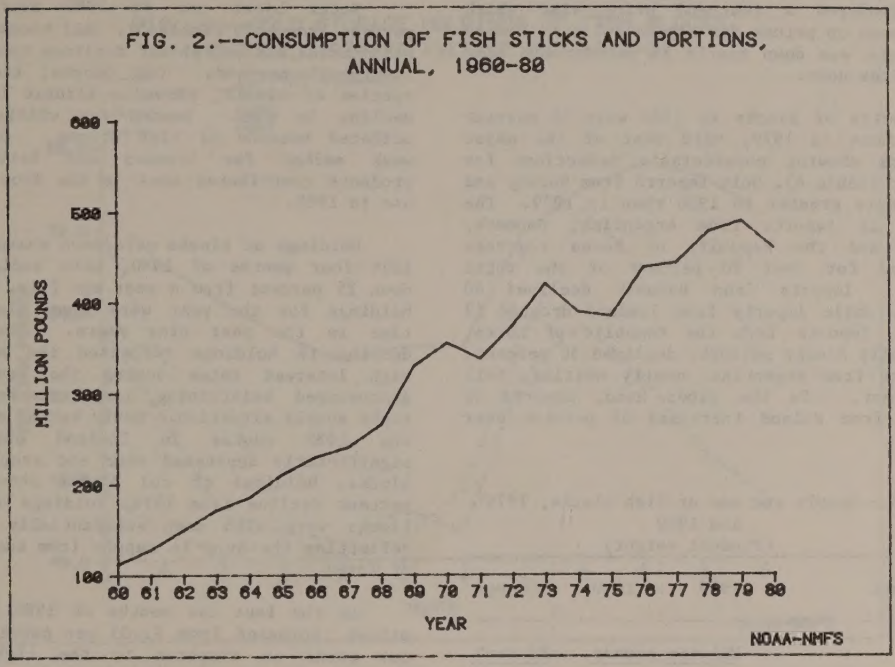


Table 2.--Production of fish sticks and portions, by product and type, 1978-80

Product and type	1978	1979	1980
	Million pounds		
Fish sticks			
Cooked, breaded	72.0	63.3	62.5
Cooked, batter-coated	17.4	26.9	18.4
Raw, breaded	5.2	5.9	7.4
Total	94.7	96.0	88.4
Fish portions			
Cooked, breaded	87.4	81.5	73.4
Cooked, batter-coated	86.6	101.7	92.6
Raw, breaded	182.4	181.8	171.1
Unbreaded	32.8	31.1	24.1
Total	389.4	396.1	361.2

Apparent consumption declined 6 percent from the 1979 record consumption to 461 million pounds. The drop in consumption can be attributed to the decline in real disposable income and the drop in real sales in the food service trade. There was a drop of 25 million pounds to 361 million pounds in the production of fish portions (a major product sold in fast food and limited menu restaurants).

Although consumption was affected by factors in the economy, it was also hampered by higher prices of some species. In 1980, annual average wholesale prices increased from 3 to 20 percent. Prices for cod portions rose only 3 percent, while prices for cod sticks advanced 5 percent. The largest increases were registered by whiting products. Prices were 20 percent higher for whiting sticks, and 15 percent higher for whiting portions. Price increases for pollock sticks and portions were in the 7 to 8 percent range, while prices for haddock sticks and portions rose 12 to 15 percent.

FISH BLOCKS

Tight supply, high interest rates, and weak demand defined the block market in 1980. Imports were down 18 percent, while ending stocks showed a steep decline from a year ago, thus creating a very tenuous supply situation (table 3). A strike by fishermen in Newfoundland disrupted the market for cod blocks

and engendered a year-end price rise which helped push up prices for Alaska pollock. Demand for blocks was down nearly 16 percent and kept some prices down.

Imports of blocks in 1980 were 18 percent below those in 1979, with most of the major suppliers showing considerable reductions for the year (table 4). Only imports from Norway and Poland were greater in 1980 than in 1979. The decline in imports from Argentina, Denmark, Iceland and the Republic of Korea together accounted for over 80 percent of the total change. Imports from Denmark declined 40 percent, while imports from Iceland dropped 17 percent. Imports from the Republic of Korea, principally Alaska pollock, declined 36 percent. Shipments from Argentina, mostly whiting, fell 43 percent. On the other hand, imports of pollock from Poland increased 61 percent over 1979.

Table 3.--Supply and use of fish blocks, 1979 and 1980
(Product weight)

Component	1979	1980	Change
	Million pounds		Percent
Beginning stocks	71.9	62.5	- 13
Production	0.9	1.1	+ 22
Imports	408.2	336.1	- 18
Total supply	481.0	399.7	- 17
Ending stocks	62.5	46.7	- 25
Disappearance	418.5	353.0	- 16

Table 4.--Imports of fish blocks by country of origin, 1979 and 1980

Country	1979	1980	Change
	Million pounds		Percent
Canada	124.3	120.5	- 3
Iceland	71.5	59.2	- 17
Republic of Korea	65.7	42.3	- 36
Norway	19.7	20.8	+ 6
Denmark	30.2	18.1	- 40
Poland	9.6	15.5	+ 61
Argentina	27.8	15.8	- 43
Greenland	19.1	13.2	- 31
Japan	16.3	10.7	- 34
Uruguay	13.3	10.6	- 20
Other	10.7	9.4	- 12
Total	408.2	336.1	- 18

Total block use in 1980 decreased 16 percent from 1979 (table 5). All blocks, except haddock and minced, showed declines ranging from 14 to 28 percent. Cod blocks, the leading species of blocks, showed a sizable 14 percent decline in use. Demand for whiting blocks suffered because of high prices. Overall, a weak market for breaded and batter-coated products contributed most to the drop in block use in 1980.

Holdings of blocks were down sharply in the last four months of 1980, with ending stocks down 25 percent from a year ago (fig. 3). Peak holdings for the year were lower than at any time in the past nine years. The overall decline in holdings reflected the prevailing high interest rates during the year, which discouraged maintaining large stocks, and a tight supply situation. Early taking of much of the 1980 quotas in Iceland and Norway significantly depressed year end stocks of cod blocks. Holdings of cod blocks showed a 55-percent decline from 1979. Holdings of pollock blocks were also down substantially in 1980, reflecting the drop in supply from the Republic of Korea.

In the last two months of 1980 cod block prices increased from $1.05 per pound to $1.10 per pound in response to the tight supply situation mentioned above (fig. 4). Prices for Alaska pollock blocks, the second leading species of blocks, increased steadily in price from a mid-year low of 66.5 cents per pound to a December high of 72 cents per pound. Prices for whiting blocks fluctuated considerably during the year, dropping from an April high of 78 cents per pound to a September low of 69 cents per pound, and then following cod and Alaska pollock block prices up to 71.8 cents per pound in December.

Table 5.--Use of fish blocks, by species, 1979 and 1980
(Product weight)

Species	1979	1980	Change
	Million pounds		Percent
Cod	204.0	174.5	- 14
Flounder	12.2	8.8	- 28
Haddock	22.7	22.8	(1)
Pollock	89.5	72.2	- 19
Whiting	51.5	38.3	- 26
Minced	19.3	21.1	+ 9
Other	19.2	15.3	- 20
Total	418.5	353.0	- 16

(1) Less than 0.5 percent.

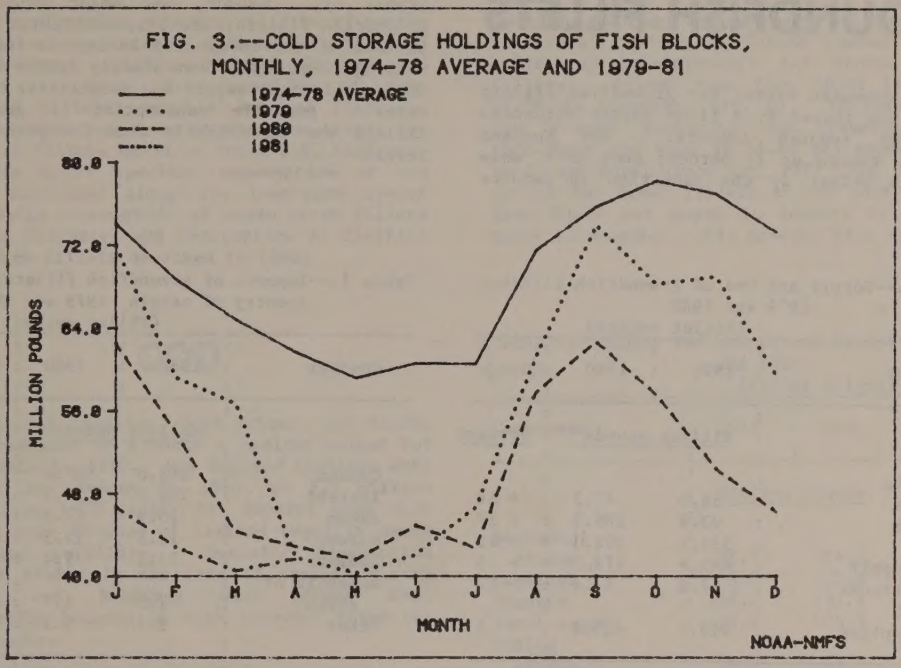


FIG. 3.--COLD STORAGE HOLDINGS OF FISH BLOCKS, MONTHLY, 1974-78 AVERAGE AND 1979-81

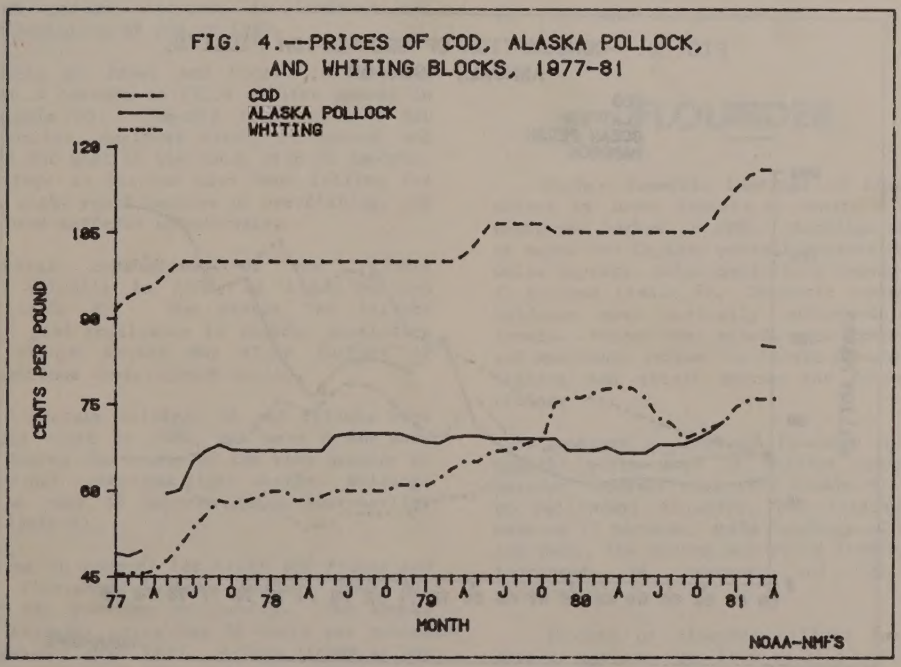


FIG. 4.--PRICES OF COD, ALASKA POLLOCK, AND WHITING BLOCKS, 1977-81

GROUNDFISH FILLETS

The domestic market for groundfish fillets in 1980 was shaped by a tight supply situation caused by reduced imports. New England landings, though up 17 percent over 1979, were more than offset by the reduction in imports (table 6). Canada, our major supplier of groundfish fillets, was responsible for over 60 percent of the total drop in imports (table 7). Holdings were drawn down sharply during the year because of tight supply and prohibitive interest rates. Domestic consumption of groundfish fillets was up slightly from the year-earlier level.

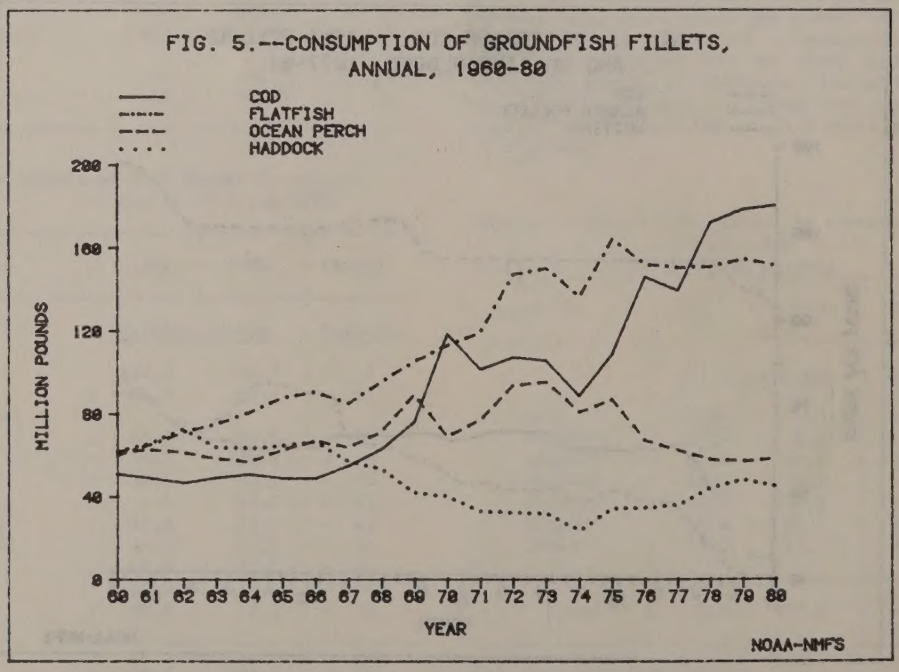
Table 6.--Supply and use of groundfish fillets, 1979 and 1980
(Fillet weight)

Component	1979	1980	Change
	Million pounds		Percent
Beginning stocks	68.0	77.2	+ 14
Landings	93.9	109.8	+ 17
Imports	334.1	292.5	- 12
Total supply	495.9	479.5	- 3
Ending stocks	77.2	56.4	- 27
Apparent consumption	418.7	423.1	+ 1

Note: Includes cod, haddock, flounder, turbot, ocean perch, and pollock.

Table 7.--Imports of groundfish fillets, by country of origin, 1979 and 1980
(Fillet weight)

Country	1979	1980	Change
	Million pounds		Percent
Canada	162.8	137.0	- 16
Iceland	109.1	98.3	- 10
Japan	25.9	27.5	+ 6
Norway	12.1	12.5	+ 3
Denmark	13.2	9.4	- 29
Republic of Korea	1.5	1.7	+ 13
Other	9.5	6.1	- 36
Total	334.1	292.5	- 12



The analysis in this report is based mostly on the use of New England landings. Pacific and other landings outside of New England are important in total U.S. supplies of some groundfish fillets, notably cod and flatfish. Figure 5 shows long-term consumption trends for groundfish fillets based on total U.S. landings. Among the major species, consumption of cod fillets continued along the long-term upward trend, while consumption of ocean perch fillets increased slightly, and consumption of flatfish and haddock fillets declined in 1980.

COD

Improved landings, high prices, and stable demand combined to produce a healthy market for cod fillets in 1980. New England landings were 37.9 million pounds in 1980, up 5.9 million pounds from 1979 (table 8). Imports were down for the year because of limited supplies among our major suppliers. Domestic consumption remained stable in the face of sharply rising prices, and holdings were drawn down considerably because of high interest rates and tight supply.

New England landings of cod in 1980 increased 18 percent, to 37.9 million pounds (table 8). Although Pacific cod landings have played a lesser role in the fillet market, there was a 59 percent increase in landings and expanded marketing of cod in 1980.

Imports of fresh and frozen cod fillets were down 9 percent to 131.4 million pounds in 1980, (table 8). Imports from Iceland, our major supplier, declined nearly 11 percent and accounted for most of the total drop in imports. Cod landings in Iceland have been falling for the past eight years because of overfishing, and exports have suffered accordingly.

Domestic consumption of cod fillets declined slightly in 1980, to 173.6 million pounds (table 8). The market for fillets exhibited good resilience to rapidly escalating prices, though demand may slump further if prices continue their upward spiral.

Cold storage holdings of cod fillets were up at the start of 1980, but were drawn down sharply during the course of the year because of high interest rates and tight supply. Holdings ended the year 18 percent below year-earlier levels (table 8).

Prices in general for fresh and frozen cod fillets fluctuated widely during 1980 but finished the year on an upswing. The annual average exvessel price was 28 cents per pound, down 6 percent from 1979. Prices dipped as low as 15 cents in New Bedford, causing fishermen to curtail fishing during part of June. The fishermen's strike in Canada pushed wholesale prices up precipitously for frozen Canadian fillets. Prices rose from $0.81 in June to $1.08 in December (fig. 6). Wholesale prices for frozen Icelandic cod remained stable throughout the year at $1.60 per pound and have held that level since May, 1979 (fig. 7). Retail prices for fresh fillets at New York City rose from $3.29 per pound in January to $3.55 per pound in December, with several dips in between.

Table 8.--Supply and use of cod fillets, 1979 and 1980
(Fillet weight)

Component	1979	1980	Change
	Million pounds		Percent
Beginning stocks	21.7	24.0	+ 11
Landings	32.0	37.9	+ 18
Imports	144.7	131.4	- 9
Total supply	198.4	193.3	- 3
Ending stocks	24.0	19.7	- 18
Apparent consumption	174.4	173.6	(1)

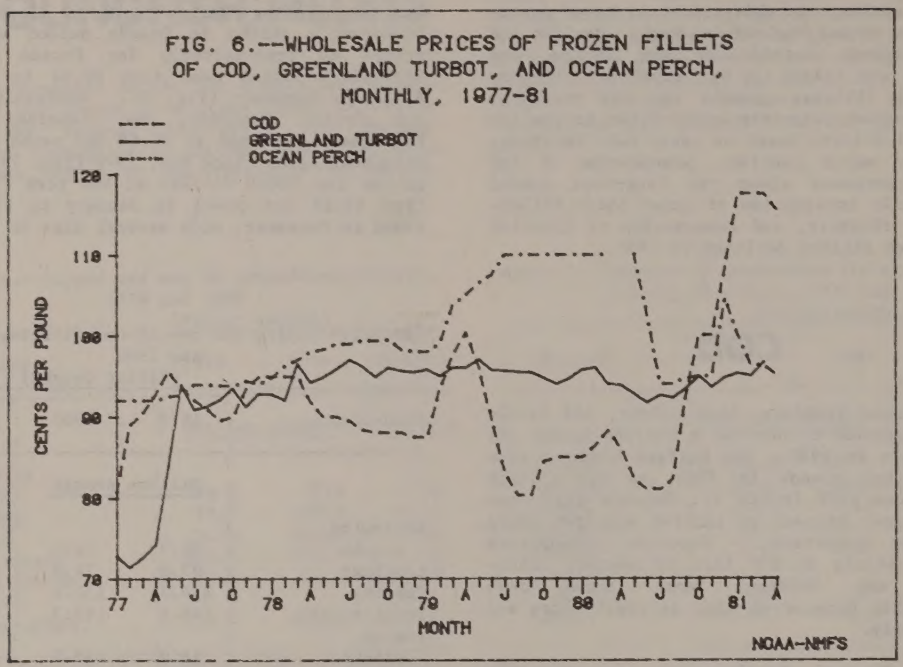
(1) Less than 0.5 percent.

FLOUNDER

Higher domestic landings of flounder were offset by lower imports to create a relatively unchanged market in 1980. Landings of flounder at major New England ports increased 24 percent, while imports, principally from Canada, declined 21 percent (table 9). Domestic consumption and holdings were virtually unchanged from 1979 levels. Prices were mixed, with exvessel prices and wholesale prices for frozen Canadian fillets falling and retail prices for frozen fillets rising.

Landings in 1980 of flounder at major New England ports were 32 million pounds, a 24-percent increase over 1979 (table 9). Landings of yellowtail flounder, the leading species, were up 17 percent, while landings of blackbacks and dabs, the second and third leading species, increased 54 percent and 20 percent, respectively.

Imports of flounder fillets in 1980 were down 21 percent from 1979 to 36.5 million pounds (table 9). Imports from Canada, our major



supplier, declined nearly 26 percent. Lower Canadian landings coupled with higher domestic landings were responsible for the fall in imports.

Domestic consumption of flounder fillets in 1980 was virtually unchanged from a year ago and has fluctuated only 4 percent since 1978.

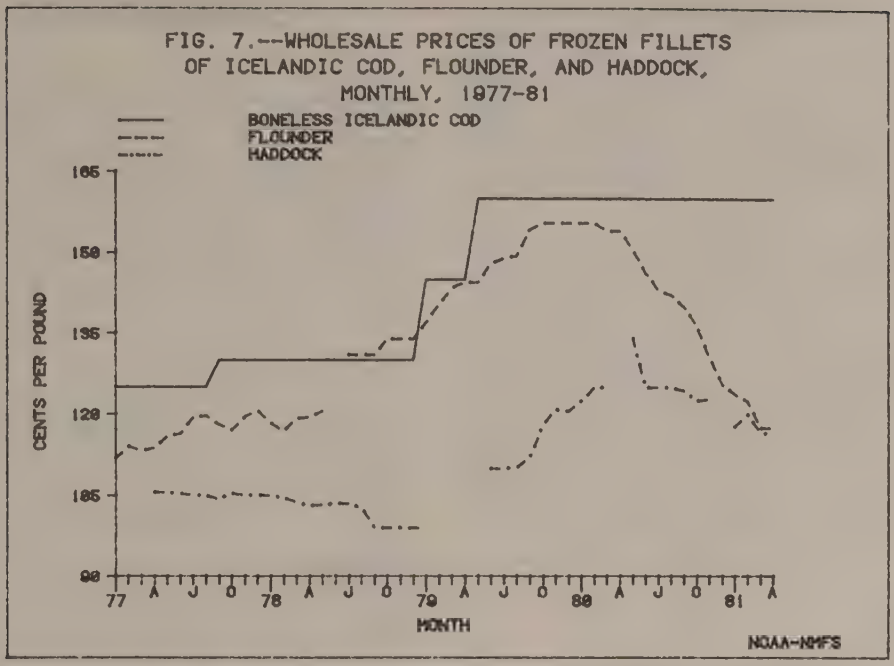
Cold storage holdings of flounder fillets changed minimally in 1980 from 1979, ending the year at 12.5 million pounds (table 9).

Exvessel prices for yellowtail flounder at major New England ports were on average 5 cents lower than the prices received by fishermen the previous year. Higher landings were responsible for the lower prices. Wholesale prices for frozen Canadian fillets fell 30 cents during the year, from $1.56 per pound in January to $1.26 per pound in December (fig. 7). While exvessel and wholesale prices were falling, retail prices for fillets were mixed. The average retail price for frozen fillets in 1980 was 26 cents higher than the average retail price in 1979. Retail prices for fresh fillets at New York City dropped slightly to an average of $4.03 per pound.

Table 9.--Supply and use of flounder fillets, 1979 and 1980
(Fillet weight)

Component	1979	1980	Change
	Million pounds		Percent
Beginning stocks	9.7	12.7	+ 31
Landings	25.9	32.0	+ 24
Imports	46.2	36.5	- 21
Total supply	81.8	81.2	(1)
Ending stocks	12.7	12.5	- 2
Apparent consumption	69.0	68.7	(1)

(1) Less than 0.5 percent.



TURBOT

Demand for turbot fillets was soft in the first half of 1980 and this kept prices down. In the second half, demand was stronger, supplies were light, and prices increased. Total supplies of turbot fillets in 1980 were 10 percent lower than in 1979, but apparent consumption was 2 percent higher (table 10). Inventories throughout 1980 were lower than a year earlier, and imports remained unchanged.

Imports in 1980 were 35 million pounds, the same as in 1979. Imports from Japan, the United States' leading supplier of turbot fillets, increased from 18 million pounds in 1979 to 19 million pounds, and accounted for 54 percent of total imports. Canada increased its shipments from 13 to 14 million pounds, accounting for 39 percent of the total. Although imports from Canada and Japan increased, landings in both countries were off substantially from 1979. This contributed to the light supplies in the second half of 1980. Hence, inventories did not increase normally. Ending inventories of 1980 were 3.4 million pounds, 63 percent below a year earlier.

Consumption of turbot fillets increased slightly in 1980 to 40.7 million pounds. Actually, it was down in the first three quarters, and up sharply in the fourth quarter.

Table 10.--Supply and use of turbot fillets, 1979 and 1980 (Fillet weight)

Component	1979	1980	Change
	Million pounds		Percent
Beginning stocks	14.1	9.1	- 35
Landings	-	-	-
Imports	35.0	35.0	0
Total supply	49.1	44.1	- 10
Ending stocks	9.1	3.4	- 63
Apparent consumption	40.0	40.7	+ 2

Wholesale prices for Canadian fillets weakened in 1980, but wholesale prices for Japanese fillets rose. The wholesale prices for 5-pound Canadian fillets ranged from 92 cents a pound to 96 cents (fig. 6). Wholesale prices for 25-pound IQF fillets from Japan ranged from 99 cents to $1.13 a pound. The annual average price for Canadian fillets in 1980 was about 2 cents a pound lower than in 1979, while the annual average price for Japanese fillets was about 4 cents higher. Retail pries fluctuated during the year and averaged $1.77 a pound--up 7 percent from 1979.

HADDOCK

Total supplies of haddock fillets in 1980 were virtually the same as in 1979, but landings were up and imports declined. Demand was weak; apparent consumption was off 6 percent. Adding to the effects of weak demand, second-half supplies increased, and wholesale prices softened.

The 1980 landings in major New England ports were up 32 percent, but still about half those in the early 1960's. Estimated imports were off 9 percent. Decreased shipments from Iceland and Canada more than offset the increase in imports from Norway and Denmark. Imports from Canada were down despite sharp increases in Canadian landings, production and inventories. The increase of 4.9 million pounds in U.S. landings offset both the 2.7-million-pound decline in imports and the low beginning inventories. Higher ending inventories in 1980 in both the United States and Canada reflect the weakened demand. Consumption declined after increasing for five years to 45.8 million pounds.

Table 11.--Supply and use of haddock fillets, 1979 and 1980 (Fillet weight)

Component	1979	1980	Change
	Million pounds		Percent
Beginning stocks	6.3	4.4	- 30
Landings	15.2	20.1	+ 32
Imports (1)	31.7	29.0	- 9
Total supply	53.2	53.5	+ 1
Ending stocks	4.4	7.7	+ 75
Apparent consumption	48.8	45.8	- 6

(1) Estimated from a category containing haddock, pollock, cusk, and hake.

Wholesale prices of 5-pound Canadian frozen fillets decreased from $1.25 a pound in June to $1.20 a pound at the end of 1980; however, the annual average price for 1980 was 10 percent above that for 1979. Wholesale prices of fresh fillets averaged $1.70 a pound, 8 percent below 1979. Retail prices of frozen fillets fluctuated during the year, and averaged $2.61 a pound for the year--up 14 percent from 1979.

OCEAN PERCH

The market for ocean perch fillets was weak during 1980. Inventories were high at the beginning of 1980, and supplies in the first half of 1980 were greater than in 1979. The sharp drop in imports in the second half reduced supplies. For the year, total supplies of ocean perch fillets in 1980 were off 13 percent from 1979, but apparent consumption increased 2 percent (table 12). With beginning inventories high, wholesale prices weakened.

Table 12.--Supply and use of ocean perch fillets, 1979 and 1980 (Fillet weight)

Component	1979	1980	Change
	Million pounds		Percent
Beginning stocks	11.5	19.4	+ 69
Landings	10.3	7.1	- 31
Imports	52.8	38.4	- 27
Total supply	74.6	64.9	- 13
Ending stocks	19.4	8.7	- 55
Apparent consumption	55.2	56.2	+ 2

Landings of ocean perch in major New England ports were off 31 percent from 1979. Imports were down 27 percent, primarily because of a 38-percent decrease in shipments from Canada, the leading supplier. That drop was caused by a decline of roughly 40 percent in Canadian landings. Atlantic landings in Canada and the United States were down because of reduced stocks (low population abundance of ocean perch). Because of low U.S. landings and imports, there was no build up of frozen inventories in the second half of 1980. This situation contributed to price strength late in the year.

Wholesale prices for 5-pound Canadian frozen fillets in 1980 remained at $1.10 a pound in the first half and declined to 94 cents in mid-June. Prices remained at 94 to 95 cents until December, when prices strengthened (fig. 6). The annual average price for 1980 was $1.03 a pound, 4 cents a pound below 1979. Retail prices fluctuated during the year and averaged $2.16 a pound--up 5 percent from 1979.

SALMON

The year was highlighted by the third highest landings of salmon in history, the highest since 1941. Additionally, better balance was reached between quantities canned and frozen, and the demand for these products in 1980 than in 1979. The canned salmon pack increased by one-third, and a strong foreign demand for canned salmon enforced the decision by canners to increase the amount canned. The export market for fresh and frozen salmon weakened, principally because of reduced purchases by the Japanese. Prices for canned salmon were moderately higher, while prices for fresh and frozen salmon were generally lower because of the increased catch.

Landings of salmon in 1980 were an estimated 614 million pounds, 14 percent above 1979, and the third largest catch in history (table 13). Data for Washington, Oregon, and California before 1930 are not complete, therefore comparisons by species cannot be made before that year. The catch of pink salmon totalled 254 million pounds, an increase of 12 percent over 1979, and approached levels in the 1930's as harvests were excellent over much of Alaska. Landings of red salmon were over 208 million pounds, the second highest in the last 50 years. The catch of red salmon could have been greater if the price dispute between fishermen and processors had been settled before the start of the runs. In the Bristol Bay area, a price of 57 cents a pound for red salmon was accepted, substantially below the two-tiered system of prices in 1979 of 70 to 80 cents for fish to be canned and $1.05 to $1.25 a pound for fish destined for the fresh and frozen market. The runs of chum salmon were greatly improved, and were the best since 1942.

Table 13.--Landings of salmon, by species, 1974-78 average, 1979, and 1980

Species	1974-78 average	1979	1980
	Thousand pounds		
Chinook	30,125	33,008	28,533
Chum	48,029	45,784	84,916
Pink	104,257	226,830	253,541
Red	74,679	190,727	207,551
Silver	33,647	39,767	39,270
Total	290,737	536,116	613,811

Although landings increased 14 percent over 1979, the Alaska canned salmon pack was 36 percent greater than a year earlier. A larger portion of the catch was directed into canning than in the previous year. The pack in Alaska was an estimated 4,175,000 standard cases (48-1 pound cans), the highest since 1966 (table 14 and fig. 8). The pack of pinks surpassed 2.1 million cases, up 13 percent from 1979, while the pack of red salmon was just under 1.6 million cases, 53 percent above a year ago. The vastly improved catch of chum salmon was reflected in a tripling of the pack to 428,000 cases.

Table 14.--Alaska canned salmon pack, by species, 1974-78 average, 1979, and 1980

Species	1974-78 average	1979	1980
	Thousand standard cases		
Chinook	13	11	15
Chum	325	143	428
Pink	1,117	1,862	2,112
Red	775	1,027	1,571
Silver	33	32	49
Total	2,262	3,075	4,175

With a 34-percent increase in new supplies (pack plus imports) of canned salmon, total sales improved. Foreign sales reached 73 million pounds, surpassing last year's record of 51 million pounds (table 15 and fig. 8). Increased shipments to all major countries were credited for the large gain. An 80-percent increase in shipments to the leading buyer, the United Kingdom, and 45 percent greater shipments to Canada highlighted the year. The 42-percent gain in foreign sales was accompanied by a 5-percent increase in domestic sales of canned salmon.

The pack of canned salmon in British Columbia, Canada, in 1980 was 1,104,714 standard cases, an increase of 19 percent over 1979. The pack was augmented by supplies of salmon from the United States. One-fifth of the total (217,148 cases) was packed from salmon imported from the United States.

SALMON, CHINOOK OR KING

Table 15.--Exports of canned salmon by country of destination, 1979 and 1980

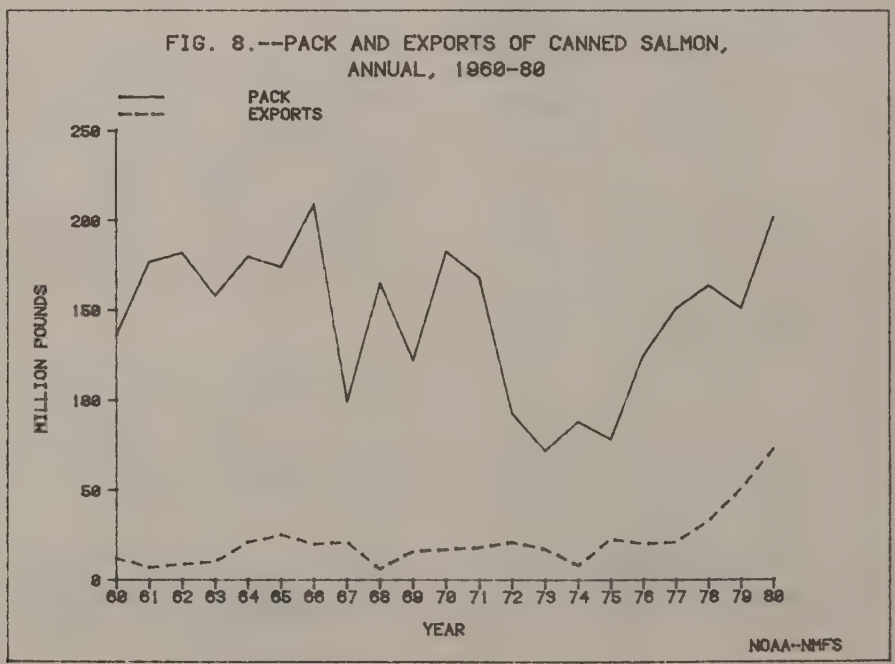
Country	1979		1980	
	Quantity	Value	Quantity	Value
	Thou. lbs.	Thou. dol.	Thou. lbs.	Thou. dol.
United Kingdom	18,296	37,573	32,904	72,312
Canada	10,189	17,650	14,751	28,560
Australia	6,698	11,060	9,073	17,645
Netherlands	5,720	9,707	7,312	14,095
Belgium/Lux.	3,360	4,694	4,248	7,138
France	615	1,255	1,454	2,333
Japan	3,078	5,512	523	1,153
Other	2,763	4,465	3,122	5,633
Total	50,719	91,916	73,387	148,869

Source: U.S. Department of Commerce, Bureau of the Census.

At the start of 1980, west coast freezers were stocked with large supplies of salmon even after record exports in 1979. Heavy promotion by the industry and the State of Alaska helped reduce cold storage holdings, although the low for the year never went below 10 million pounds (July 1) compared to a low of 7 million pounds in 1979. With the 1980 forecast of a large catch and pessimistic export prospects, less salmon was directed into the frozen market. Peak holdings of 37 million pounds in October 1, 1980, were 23 percent below year-earlier levels.

Exports of fresh and frozen salmon diminished in 1980 to 122 million pounds, off 13 percent from 1979 (table 16). The decline was sustained because of a 28-percent drop in purchases by the Japanese. Sales to France, the second leading buyer in 1979, also declined, thereby dropping them to third. Sales to Canada increased, and Canada replaced France for the second spot. However, the gain was primarily of fish in excess of Alaska processing capacity. Although the quantity of U.S. export of fresh and frozen salmon was off by 13 percent, the value declined by a greater percentage, down by one-third. Lower salmon prices reflected the large 1980 harvest and dampening foreign demand.

Average annual wholesale prices for canned salmon in 1980 were 9 to 14 percent higher than in 1979; however, December to December comparisons better reflect the market, and show much smaller price increases (table 17). For example, the annual average price for a case of 48 1-pound cans of red salmon was 9 percent higher in 1980 than in 1979, but prices



increased only 1.2 percent or $1.33 a case in the 12 months ending in December. Among the several species, prices of the more expensive red salmon rose the least, reflecting the 53-percent increase in the pack. Prices for canned pink salmon rose 3.5 percent to $80.75 a case, and chums advanced 6.3 percent to $74.08 in December 1980 from a year earlier. The increases were caused primarily by the strong foreign demand for canned salmon.

Table 16.--Exports of fresh and frozen salmon, whole or eviscerated by country of destination, 1979 and 1980

Country	1979		1980	
	Quantity	Value	Quantity	Value
	Thou. lbs.	Thou. dol.	Thou. lbs.	Thou. dol.
Japan	93,458	191,803	67,332	105,576
Canada	6,445	9,264	19,255	20,288
France	17,123	48,448	13,931	30,533
United Kingdom	6,497	13,941	5,740	9,898
Sweden	5,972	9,421	4,912	7,793
Belgium/Lux.	2,747	8,222	2,439	5,632
Fed. Rep. of Germany	2,700	7,746	2,024	5,267
Other	5,218	13,479	6,478	13,410
Total	140,160	302,324	122,112	198,397

Source: U.S. Department of Commerce, Bureau of the Census.

Table 17.--Wholesale prices for canned salmon, December 1979 and 1980

Species	December 1979	December 1980	Change
	Dollars per case		Percent
Red, 48 1-lb.	107.67	109.00	+ 1.2
Red, 48 1/2-lb.	69.50	73.67	+ 6.0
Pink, 48 1-lb.	78.00	80.75	+ 3.5
Chum, 48 1-lb.	69.67	74.08	+ 6.3

Retail prices for canned pink salmon started to rise in the fall of 1979, and continued to increase in 1980. The price in December 1980 was $2.34 a pound, 7.3 percent above 12 months earlier. Meanwhile, retail prices for canned red salmon did not increase as much as pink salmon, and closed the year at $3.29 a pound in December 1980, up 4.8 percent from $3.14 in December 1979.

TUNA

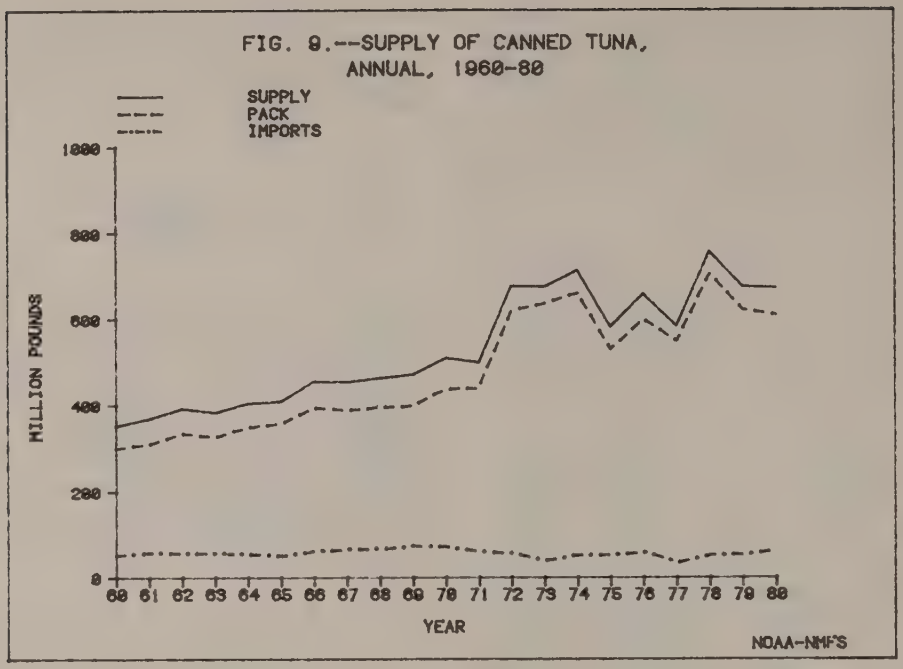
The market for canned tuna in 1980 was marked by a drop in sales in reaction to higher prices of canned tuna and smaller increases in prices of meat and poultry. Total supplies of tuna in 1980 were lower than in 1979 (fig. 9). Receipts of domestic-caught tuna were up 1 percent, but imports were down 6 percent. Therefore, the pack of tuna was down from a year earlier. Exvessel prices increased at the start of 1980 and remained unchanged for the rest of the year, while wholesale and retail prices increased steadily during the year.

Table 18.--Receipts of domestic-caught tuna and bonito by U.S. canners including American Samoa and Puerto Rico, by species, 1979 and 1980

Species	1979	1980	Change
	Short tons		Percent
Albacore	6,913	7,691	+ 11
Bluefin	6,123	2,355	- 62
Skipjack	94,007	115,394	+ 23
Yellowfin	137,791	117,742	- 15
Bonito	1,810	6,487	+ 258
Total	246,644	249,669	+ 1

Receipts of domestic-caught tuna and bonito in 1980 were 249,669 short tons, 1 percent above a year earlier (table 18). Receipts of bluefin declined 62 percent from 1979. Receipts of yellowfin fell 15 percent, while receipts of skipjack rose 23 percent. Albacore receipts increased 11 percent, and receipts of bonito increased 258 percent over 1979.

Imports of raw tuna were 6 percent lower than a year earlier. They amounted to 592 million pounds, down from 632 million pounds in 1979 (table 19). There were eight embargoes on tuna imports from Ecuador, Mexico, and other countries, because they seized United States tuna boats or violated the Marine Mammal



Protection Act. Total imports from those countries declined from 100 million pounds in 1979 to 54 million pounds in 1980. Total U.S. imports of skipjack increased 9 percent, while imports of albacore and yellowfin imports were, respectively, 29 percent lower and 14 percent lower than the previous year. Japan was the major supplier of raw tuna with 27 percent of the total, its share increasing from 18 percent in 1979. The Philippines was second with 10 percent, followed by Papua New Guinea, and Panama. Even though imports of raw tuna were lower, imports of canned tuna during 1980 were 64 million pounds, 19 percent above the 1979 total of 54 million pounds.

With reduced supplies of raw tuna in 1980, there was a 2-percent decline in the pack of canned tuna and bonito. The pack of 31.1 million cases was slightly below last year's pack of 31.8 million cases.

Annual average exvessel prices of tuna were all higher from a year earlier, 22 percent for albacore, 29 percent for bluefin, 37 percent for skipjack, and 33 percent for yellowfin. The annual average exvessel price of albacore increased from $1,285 a ton to $1,562. Exvessel prices for bluefin, skipjack, and yellowfin increased in the first several months of 1980 and then were unchanged to the end of the year at $1,180 a ton for bluefin, $1,100 a ton for

Table 19.--Imports of raw and canned tuna by type and species, 1979 and 1980

Type and species	1979	1980	Change
	Million pounds		Percent
Raw tuna			
Albacore	179	127	- 29
Skipjack	325	353	+ 9
Yellowfin	119	102	- 14
Not specified	9	10	+ 11
Total raw	632	592	- 6
Canned tuna			
In oil	1	(1)	-
In brine	53	63	+ 19
Total canned	54	64	+ 19

(1) Less than 500,000 pounds.
Source: U.S. Department of Commerce, Bureau of the Census.

skipjack, and $1,200 a ton for yellowfin. Overall, wholesale prices of canned tuna were 12 to 27 percent higher than in the previous year, before promotional allowances, which ran from $4.00 to $10.00 a case at various times of the year. Prices for advertised brands of chunk light tuna rose 20 percent to an annual average of $45.57 a case of 48, while prices of private labels increased 27 percent to $37.84 from $29.69 in 1979 (fig. 10). For albacore or white meat tuna, prices in 1980 were 12 percent higher for advertised brands and 16 percent higher for private labels than in 1979. At the retail level, the annual average price for a 7 oz. can of white solid tuna was $1.35--up 11 percent from 1979 and the average price for a 6-1/2 oz. can of light chunk tuna was $.93--up 14 percent. Except for a few months, retail prices steadily increased during 1980.

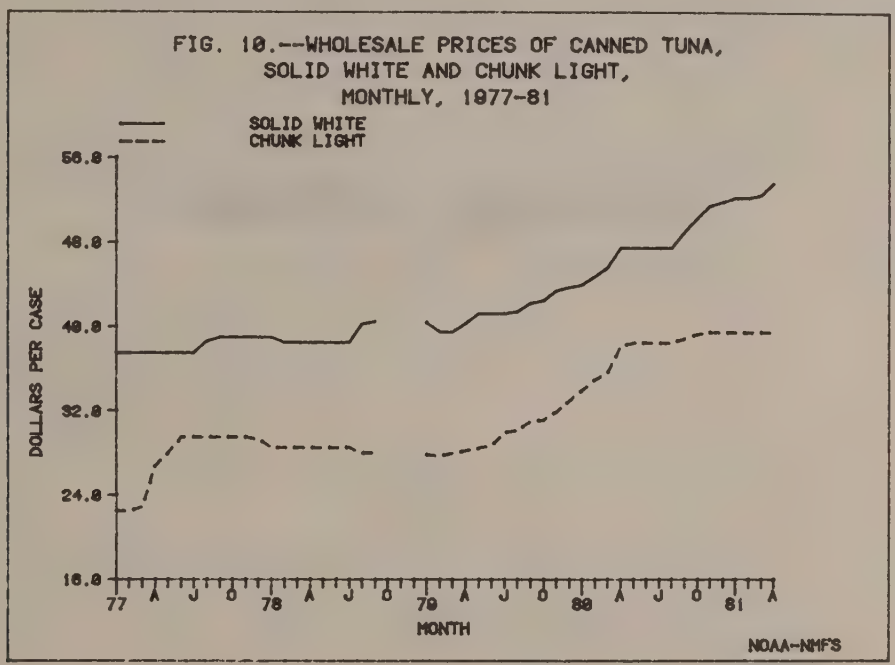


FIG. 10.--WHOLESALE PRICES OF CANNED TUNA, SOLID WHITE AND CHUNK LIGHT, MONTHLY, 1977-81

STATISTICAL APPENDIX

Table A1.--Supply and use of fish sticks and portions, 1960-80
(Product weight)

Year	Supply						Use		
	Beginning stocks	Production			Imports	Total	Ending stocks	Apparent consumption	
		Sticks	Portions	Total				Total	Per capita
	Million pounds								Pounds
1960	6.9	65.1	49.4	114.5	0.2	121.6	9.1	112.5	0.625
1961	9.1	69.8	59.8	129.6	0.5	139.2	10.5	128.7	.703
1962	10.5	72.2	78.7	150.9	0.3	161.7	11.5	150.1	.807
1963	11.6	79.3	94.6	173.9	0.4	185.9	13.6	172.1	.912
1964	13.6	73.6	106.3	179.9	0.2	193.7	8.1	185.6	.969
1965	8.1	82.5	140.4	222.9	0.3	231.3	20.2	211.1	1.091
1966	20.2	81.4	147.6	229.0	0.4	249.6	19.5	230.1	1.176
1967	19.5	73.9	161.3	235.2	0.4	255.1	14.0	241.1	1.222
1968	14.0	91.7	182.8	274.5	0.9	289.4	24.0	265.4	1.328
1969	24.0	113.4	217.0	330.4	1.6	356.0	25.4	330.6	1.637
1970	25.4	115.9	234.3	350.2	1.2	376.8	22.0	354.8	1.746
1971	22.0	97.8	239.7	337.5	1.2	360.7	23.2	337.5	1.637
1972	23.2	114.5	269.2	383.7	1.4	408.3	34.4	373.9	1.784
1973	34.4	127.2	298.4	425.6	1.7	461.7	41.5	420.2	2.002
1974	41.5	103.1	276.2	379.3	1.5	422.3	33.3	389.0	1.840
1975	33.3	91.1	295.6	386.7	0.4	420.4	35.3	385.1	1.808
1976	35.3	93.4	340.1	433.5	0.6	469.4	31.0	438.4	2.042
1977	31.0	87.2	355.4	442.7	0.6	474.3	30.5	443.8	2.051
1978	30.5	94.7	389.4	484.1	1.4	516.0	37.1	478.8	2.194
1979 (1)	37.1	96.0	396.1	492.1	2.4	531.6	41.7	489.9	2.226
1980 (1)	41.7	88.4	361.2	449.6	1.4	492.7	32.0	460.7	2.072

(1) Preliminary.

TABLE A 2.—SUPPLY AND USE OF FISH STICKS AND PORTIONS, MONTHLY, 1979-81
(PRODUCT WEIGHT)

MONTH	SUPPLY						USE	
	BEGINNING STOCKS	PRODUCTION			IMPORTS	TOTAL	ENDING STOCKS	APPARENT CONSUMPTION
		STICKS	PORTIONS	TOTAL				
	MILLION POUNDS							
1979								
JANUARY	37.1	8.2	35.0	43.2	0.2	80.6	36.7	43.8
FEBRUARY	36.7	9.5	33.5	43.0	0.3	79.9	34.0	45.9
MARCH	34.0	11.5	43.0	54.5	0.3	88 9	29 7	59.2
1ST QTR	37.1	29.2	111.5	140.7	0.8	178.6	29.7	149.0
APRIL	29.7	9.3	34.6	43.9	0.4	74.0	33.5	40 5
MAY	33.5	5.3	35.6	40.8	0.3	74.6	38.9	35.7
JUNE	38.9	7.2	30.3	37.5	0.2	76.6	41.3	35 3
2ND QTR	29.7	21.8	100 4	122.2	0.9	152.8	41.3	111.5
JULY	41.3	5.4	22.9	28.4	0.3	69.9	37.3	32.6
AUGUST	37.3	7.9	33.4	41.3	0.1	78.7	36.6	42.1
SEPTEMBER	36.6	9.1	34.8	43.9	0.1	80.6	37.7	42.9
3RD QTR	41.3	22.5	91.1	113.6	0.5	155.3	37.7	117.6
OCTOBER	37.7	6.6	36.0	42.5	0.1	80.3	39.4	40.9
NOVEMBER	39.4	8.1	30.1	38 2	0.1	77.8	40.9	36.9
DECEMBER	40.9	7.9	27.1	35.0	0.1	75.9	41.7	34.2
4TH QTR	37.7	22.6	93.1	115.7	0.2	153.7	41.7	111.9
YEAR	37.1	96.1	396.1	492.1	2.4	531.7	41.7	490.0
1980								
JANUARY	41.7	8.2	33.1	41.3	0.1	83.1	40.1	43.0
FEBRUARY	40.1	9.5	36.5	45.9	0.1	86.2	36.1	50.1
MARCH	36.1	10.2	37.5	47.7	0.2	84.0	36.8	47.2
1ST QTR	41.7	27.8	107.1	135.0	0.4	177.1	36.8	140.3
APRIL	36.8	6.9	30.5	37.4	0.1	74.3	38.2	36.1
MAY	38.2	5.0	25.2	30.3	0.1	68.6	46.2	22.4
JUNE	46.2	8.1	26.6	34.7	0.1	81.0	43.6	37.5
2ND QTR	36.8	20.0	82.4	102.4	0.3	139.5	43.6	96.0
JULY	43.6	4.0	20.4	24.5	0.1	68.1	40.4	27.7
AUGUST	40.4	5.8	26.8	32.6	0.1	73.1	35.9	37.2
SEPTEMBER	35.9	7.7	32.4	40.2	0.1	76.3	28.7	47.6
3RD QTR	43.6	17.6	79.6	97.2	0.3	141.1	28.7	112.5
OCTOBER	28.7	8.1	32.6	40.7	0.1	69.5	33.2	36.3
NOVEMBER	33.2	7.0	29.3	36.4	0.1	69.6	32.3	37.3
DECEMBER	32.3	7.9	30.1	38.0	0.1	70.5	32.0	38.5
4TH QTR	28.7	23.0	92.1	115.0	0.4	144.1	32.0	112.1
YEAR	41.7	88.4	361.2	449.6	1.4	492.8	32.0	460.8
1981								
JANUARY	32.0				0.1		32.9	
FEBRUARY	32.9				0.3		31.3	
MARCH	31.3				0.2		28.7	
1ST QTR	32.0				0.6		28.7	
APRIL	28.7							
MAY								
JUNE								
2ND QTR								
JULY								
AUGUST								
SEPTEMBER								
3RD QTR								
OCTOBER								
NOVEMBER								
DECEMBER								
4TH QTR								
YEAR								

SOURCES: STOCKS: FROZEN FISHERY PRODUCTS, NATIONAL MARINE FISHERIES SERVICE.
PRODUCTION: FISH STICKS, FISH PORTIONS, AND BREADED SHRIMP, NATIONAL MARINE FISHERIES SERVICE.
IMPORTS: DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS.

NOTE: DATA ARE PRELIMINARY. FIGURES MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

TABLE A 3.--WHOLESALE PRICES FOR FISH STICKS AND PORTIONS, MONTHLY, 1979-81

MONTH	STICKS, COOKED BREADED				PORTIONS, RAW BREADED			
	COD	HADDOCK	POLLOCK	WHITING	COD	HADDOCK	POLLOCK	WHITING
	CENTS PER POUND							
1979								
JANUARY	117.0	120.0	92.5	81.5	116.5	116.5	81.5	77.5
FEBRUARY	117.0	120.0	92.5	81.5	116.5	116.5	81.5	77.5
MARCH	117.0	120.0	92.5	81.5	116.5	116.5	81.5	77.5
APRIL	117.0	120.0	92.5	81.5	116.5	116.5	81.5	77.5
MAY	120.2	126.0	90.5	87.3	118.5	119.7	88.3	83.1
JUNE	121.0	127.5	90.0	90.0	119.0	120.5	90.0	84.5
JULY	122.0	127.5	90.0	90.0	119.0	120.5	90.0	84.5
AUGUST	122.0	127.5	90.0	90.0	119.0	120.5	90.0	84.5
SEPTEMBER	122.0	127.5	90.0	90.0	119.0	123.0	90.0	84.5
OCTOBER	122.0	127.5	90.0	90.0	119.0	130.5	90.0	86.5
NOVEMBER	124.0	137.0	100.5	(1)	122.0	134.0	91.5	89.5
DECEMBER	124.0	137.0	100.5	(1)	122.0	137.4	91.5	89.5
AVERAGE	120.4	126.5	92.6	86.3	118.6	122.7	87.3	83.1
1980								
JANUARY	124.0	136.9	99.5	99.5	121.8	138.4	91.6	90.5
FEBRUARY	126.0	136.5	95.5	99.5	122.5	138.0	92.0	94.5
MARCH	126.3	138.3	97.5	101.8	121.6	139.1	92.6	95.5
APRIL	127.0	143.5	102.5	108.5	119.0	142.0	92.5	97.0
MAY	126.5	143.5	100.9	108.5	120.0	142.4	93.3	97.3
JUNE	125.0	143.5	96.0	108.5	123.5	143.5	92.5	98.0
JULY	125.8	143.5	97.2	104.1	122.1	142.3	92.1	95.2
AUGUST	126.0	143.5	97.5	103.1	121.5	142.0	92.0	94.5
SEPTEMBER	126.0	143.5	97.9	103.5	121.5	142.0	92.0	94.5
OCTOBER	126.0	143.5	99.0	103.5	122.5	142.5	93.5	96.5
NOVEMBER	126.0	143.5	100.9	103.5	124.4	142.5	95.8	96.9
DECEMBER	131.5	141.5	105.5	103.5	131.0	139.0	102.0	96.0
AVERAGE	126.3	141.8	99.2	104.0	122.6	141.1	93.5	95.5
1981								
JANUARY	147.1	154.5	119.0	112.5	134.5	138.0	101.5	100.4
FEBRUARY	143.8	147.5	119.8	112.5	134.0	136.8	103.1	101.3
MARCH	140.5	140.5	122.0	112.5	133.5	135.5	105.5	102.0
APRIL	140.5	140.5	121.3	114.5	133.5	135.0	110.1	103.9
MAY								
JUNE								
JULY								
AUGUST								
SEPTEMBER								
OCTOBER								
NOVEMBER								
DECEMBER								
AVERAGE								

(1) INSUFFICIENT QUOTES.

NOTE: PRICES TO PRIMARY WHOLESALERS AS QUOTED BY PRODUCERS AT BOSTON, GLOUCESTER, AND NEW BEDFORD.
SOURCE: FISHERY MARKET NEWS REPORT, BOSTON -- NATIONAL MARINE FISHERIES SERVICE.

Table A 4.--Supply and use of frozen fish blocks, 1960-80
(Product weight)

Year	Supply				Use	
	Beginning stocks	U.S. freezings	Imports	Total	Ending stocks	Disappearance
	Million pounds					
1960	23.2	0.8	89.7	113.7	24.8	88.9
1961	24.8	1.2	118.6	144.6	17.7	126.9
1962	17.7	1.6	143.5	162.8	24.3	138.5
1963	24.3	2.0	153.3	179.6	25.8	153.8
1964	25.8	2.0	166.2	194.0	20.0	174.0
1965	20.0	2.9	214.8	237.7	37.4	200.3
1966	37.4	6.0	206.5	249.9	35.2	214.7
1967	35.2	6.2	189.5	230.9	32.3	198.6
1968	32.3	3.6	261.1	297.0	44.4	252.6
1969	44.4	2.0	266.7	313.0	43.0	270.0
1970	43.0	4.4	272.7	320.1	30.6	289.5
1971	30.6	6.5	311.2	348.3	62.7	285.6
1972	62.7	3.1	355.5	421.3	75.8	345.5
1973	75.8	6.1	358.7	440.6	80.6	360.0
1974	80.6	2.4	266.1	349.1	75.7	273.4
1975	75.7	2.2	313.5	391.4	79.0	312.4
1976	79.0	2.7	378.7	460.4	61.1	399.3
1977	61.1	4.6	385.1	450.8	73.2	377.6
1978	73.2	2.1	406.3	481.6	71.9	409.7
1979 (1)	71.9	0.8	408.2	480.9	62.5	418.4
1980 (1)	62.5	1.1	336.8	400.3	46.7	353.6

(1) Preliminary.

TABLE A 5.--SUPPLY AND USE OF FROZEN FISH BLOCKS, MONTHLY, 1979-81
(PRODUCT WEIGHT)

MONTH	SUPPLY				USE	
	BEGINNING STOCKS	PRODUCTION	IMPORTS	TOTAL	ENDING STOCKS	APPARENT CONSUMPTION
	MILLION POUNDS					
1979						
JANUARY	71.9	(1)	25.7	97.6	59.2	38.4
FEBRUARY	59.2	(1)	32.5	91.7	56.7	35.0
MARCH	56.7	0.1	26.9	83.7	41.8	41.9
1ST QTR	71.9	0.2	85.0	157.1	41.8	115.3
APRIL	41.8	0.1	31.7	73.5	40.3	33.2
MAY	40.3	(1)	38.1	78.4	42.1	36.3
JUNE	42.1	0.1	38.3	80.6	46.7	33.8
2ND QTR	41.8	0.3	108.1	150.1	46.7	103.4
JULY	46.7	0.1	36.9	83.7	61.2	22.5
AUGUST	61.2	0.1	46.9	108.2	74.0	34.2
SEPTEMBER	74.0	0.1	40.8	114.9	68.3	46.6
3RD QTR	46.7	0.3	124.5	171.6	68.3	103.3
OCTOBER	68.3	(1)	29.7	98.0	69.0	29.0
NOVEMBER	69.0	(1)	30.5	99.6	59.4	40.2
DECEMBER	59.4	(1)	30.4	89.8	62.5	27.3
4TH QTR	68.3	0.1	90.6	158.9	62.5	96.4
YEAR	71.9	0.8	408.2	480.9	62.5	418.4
1980						
JANUARY	62.5	0.1	26.2	88.7	53.9	34.8
FEBRUARY	53.9	0.1	19.9	74.0	44.3	29.6
MARCH	44.3	0.1	39.7	84.1	42.9	41.3
1ST QTR	62.5	0.3	85.8	148.6	42.9	105.7
APRIL	42.9	0.2	27.5	70.5	41.6	29.0
MAY	41.6	0.1	32.2	73.9	44.9	28.9
JUNE	44.9	(1)	32.8	77.8	42.7	35.1
2ND QTR	42.9	0.3	92.5	135.7	42.7	93.0
JULY	42.7	0.2	33.4	76.3	57.8	18.5
AUGUST	57.8	0.1	27.8	85.7	62.7	23.0
SEPTEMBER	62.7	0.1	30.2	92.9	57.6	35.3
3RD QTR	42.7	0.3	91.4	134.4	57.6	76.8
OCTOBER	57.6	0.1	24.1	81.8	50.4	31.5
NOVEMBER	50.4	0.1	25.0	75.5	46.2	29.3
DECEMBER	46.2	(1)	18.0	64.2	46.7	17.4
4TH QTR	57.6	0.2	67.1	124.9	46.7	78.2
YEAR	62.5	1.1	336.8	400.3	46.7	353.6
1981						
JANUARY	46.7	(1)	32.5	79.3	42.8	36.5
FEBRUARY	42.8	0.1	28.2	71.1	40.5	30.6
MARCH	40.5	0.1	35.4	76.0	41.7	34.4
1ST QTR	46.7	0.3	96.1	143.1	41.7	101.4
APRIL	41.7					
MAY						
JUNE						
2ND QTR						
JULY						
AUGUST						
SEPTEMBER						
3RD QTR						
OCTOBER						
NOVEMBER						
DECEMBER						
4TH QTR						
YEAR						

(1) LESS THAN 50,000 POUNDS.

SOURCES: STOCKS: FROZEN FISHERY PRODUCTS, NATIONAL MARINE FISHERIES SERVICE.
PRODUCTION: FROZEN FISHERY PRODUCTS, NATIONAL MARINE FISHERIES SERVICE.
IMPORTS: DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS.

NOTE: DATA ARE PRELIMINARY. FIGURES MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

TABLE A 6.--WHOLESALE PRICES FOR FROZEN FISH BLOCKS, MONTHLY, 1979-81

MONTH	COD	MINCED COD	FLOUNDER	HADDOCK	POLLOCK	ALASKA POLLOCK	WHITING
	CENTS PER POUND						
1979							
JANUARY	100.0	41.3	106.0	106.8	71.9	68.4	60.8
FEBRUARY	100.0	44.0	110.0	107.4	72.5	68.3	62.0
MARCH	100 0	46.8	111.3	109.3	73.0	69.3	63.8
APRIL	101.1	48.0	115.0	110.0	73.0	69.5	65.0
MAY	103.5	49.4	115.5	112.3	73.4	69.5	65.0
JUNE	106.5	51.9	119.4	115.0	74.0	69.0	66.6
JULY	106.5	52.5	126.7	115.0	73.5	69.0	67.0
AUGUST	106.5	53.5	130.0	115.0	73.0	69.0	67.4
SEPTEMBER	106.5	54.6	130.0	116.2	73.8	69.0	68.4
OCTOBER	106.5	54.8	135.0	122.5	73.4	68.9	68.8
NOVEMBER	105.0	54.0	140.0	123.8	72.3	69.0	75.3
DECEMBER	105.0	54.0	140.0	124.5	70.3	67.0	76.0
AVERAGE	103.9	50.4	123.2	114.8	72.8	68.8	67.2
1980							
JANUARY	105.0	54.0	140.0	125.0	69.8	67.0	76.2
FEBRUARY	105.0	53.0	137.5	125.0	69.0	67.0	77.0
MARCH	105.0	53.8	137.5	130.6	69.0	67.5	77.8
APRIL	105.0	54.0	137.5	131.9	69.0	66.5	78.0
MAY	105.0	54.0	136.3	130.8	69.0	66.5	77.8
JUNE	105.0	52.4	133.5	128.8	69.0	66.5	76.1
JULY	105.0	49.8	129.5	127.2	68.9	68.0	72.6
AUGUST	105.0	49.0	125.6	125.3	68.5	68.0	71.8
SEPTEMBER	105.0	49.5	125.0	124.6	68.5	68.1	69.0
OCTOBER	105.0	50.0	125.0	122.8	68.6	69.0	70.0
NOVEMBER	106.9	50.0	117.4	115.5	70.8	70.2	71.0
DECEMBER	110.2	52.0	115.0	113.5	73.8	72.0	71.8
AVERAGE	105.6	51.8	130.0	125.1	69.5	68.0	74.1
1981							
JANUARY	112.8	54.0	114.3	113.5	78.6	(1)	74.6
FEBRUARY	115.0	54.0	113.5	113.5	83.0	(1)	75.8
MARCH	116.0	54.0	113.5	113.5	85.5	85.3	76.0
APRIL	116.0	54.0	113.5	108.2	85.2	85.0	76.0
MAY							
JUNE							
JULY							
AUGUST							
SEPTEMBER							
OCTOBER							
NOVEMBER							
DECEMBER							
AVERAGE							

(1) INSUFFICIENT QUOTES.

NOTE: PRICES TO PROCESSORS AS QUOTED BY PRODUCERS, IMPORTERS, AND BROKERS AT BOSTON, GLOUCESTER, AND NEW BEDFORD.
SOURCE: FISHERY MARKET NEWS REPORT, BOSTON -- NATIONAL MARINE FISHERIES SERVICE.

Table A7. --U.S. imports of blocks, by country of origin and species, annual 1979-80

Country	Cod		Haddock		Pollock		Whiting		Other		Total	
	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980
	Million pounds											
Canada	88.9	85.6	2.3	2.5	.8	2.2	.1	.3	32.2	29.9	124.3	120.5
Iceland	42.4	37.6	7.7	7.1	12.5	8.4	.2	(1)	8.7	6.1	71.5	59.2
Rep. of Korea	1.0	5.7	-	-	57.7	33.5	5.6	3.0	1.4	.1	65.7	42.3
Denmark	20.1	6.7	3.5	7.9	3.7	.8	.7	1.1	2.2	1.5	30.2	18.1
Argentina	-	-	-	-	-	-	26.3	15.0	.9	.9	27.2	15.8
Norway	11.2	5.5	4.7	13.0	2.7	1.3	-	-	1.1	1.0	19.7	20.8
Greenland	16.9	11.5	-	-	-	.1	-	-	2.2	1.7	19.1	13.2
Japan	7.4	4.1	-	.1	4.8	3.8	.8	.9	3.3	1.9	16.3	10.7
Poland	3.5	2.9	-	-	2.0	10.3	3.9	2.0	.2	.3	9.6	15.5
Uruguay	-	-	-	-	-	-	11.9	9.9	1.4	.7	13.3	10.6
Other	1.6	.9	.1	.7	2.4	2.3	4.8	4.7	2.4	.8	11.4	9.4
Total	193.0	160.4	18.3	31.3	86.6	62.7	54.3	36.9	56.0	44.9	408.2	336.1

(1) Less than 50,000 pounds.
Note: Figures may not add to total because of rounding.
Source: U.S. Department of Commerce, Bureau of the Census.

Table A 8.--U.S. imports of groundfish fillets, by country of origin and species, annual, 1979-80

Country	Cod		Flounder		Turbot		Cusk, haddock, hake and pollock		Ocean perch		Total	
	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980
	Million pounds											
Canada	50.8	50.6	37.1	27.5	13.3	13.7	21.3	20.1	40.2	25.1	162.8	137.0
Iceland	73.2	65.5	(1)	.1	.9	1.8	23.8	18.8	11.1	12.2	109.1	98.3
Japan	3.6	2.2	3.3	5.9	17.6	18.9	1.4	.6	(1)	-	25.9	27.6
Denmark	7.5	4.4	1.2	.3	(1)	-	4.1	4.6	.3	.1	13.2	9.4
Norway	7.5	6.3	-	-	.1	.1	4.2	5.9	.3	.2	12.1	12.5
Poland	(1)	-	.9	.2	2.2	.4	-	-	(1)	-	3.2	.6
Netherlands	-	-	1.4	1.2	-	(1)	-	-	-	-	1.4	1.2
United Kingdom	-	(1)	.6	(1)	(1)	(1)	.1	.1	.5	.2	1.2	.3
Miquelon	.8	.9	.3	.3	-	-	(1)	(1)	.1	.1	1.1	1.3
Rep. of Korea	.3	1.0	-	-	.5	.1	.3	.7	-	.1	1.1	1.8
Other	1.0	.5	1.4	1.0	.4	.1	.3	.3	.3	.5	3.0	2.4
Total	144.7	131.4	46.2	36.5	35.0	35.0	55.5	51.1	52.8	38.4	334.1	292.5

(1) Less than 50,000 pounds.
Note: Figures may not add to total because of rounding.
Source: U.S. Department of Commerce, Bureau of the Census.

Table A9.--Supply and use of fresh and frozen cod, 1960-80

(Fillet weight)

Year	Supply						Use		
	Beginning stocks	Landings			Imports	Total	Ending stocks	Apparent consumption	
		Atlantic	Pacific	Total				Total	Per capita
	Million pounds								Pounds
1960	14.4	13.1	1.6	14.7	29.6	58.7	7.8	50.9	0.283
1961	7.8	15.1	0.9	16.0	32.2	56.0	7.1	48.9	.268
1962	7.1	15.2	1.0	16.2	33.0	56.3	9.7	46.6	.250
1963	9.7	13.7	1.9	15.6	32.7	58.0	8.9	49.1	.260
1964	8.9	12.6	1.9	14.5	33.5	56.9	6.2	50.7	.265
1965	6.2	11.8	3.0	14.8	33.7	54.7	5.7	49.0	.253
1966	5.7	12.2	3.0	15.2	40.8	61.7	12.7	49.0	.250
1967	12.7	14.0	2.7	16.7	32.1	61.5	6.5	55.0	.278
1968	6.5	15.2	2.4	17.6	46.6	70.7	7.6	63.1	.317
1969	7.6	17.5	2.0	19.5	61.9	89.0	12.9	76.1	.377
1970	12.9	16.0	1.0	17.0	95.8	125.7	7.4	118.3	.578
1971	7.4	17.4	1.9	19.3	80.7	107.4	6.1	101.3	.490
1972	6.1	14.9	3.4	18.3	99.0	123.4	16.2	107.2	.511
1973	16.2	16.0	3.0	19.0	83.0	118.2	12.7	105.5	.503
1974	12.7	18.8	2.9	21.7	71.6	106.0	17.8	88.2	.417
1975	17.8	17.9	3.8	21.7	91.0	130.5	21.7	108.8	.500
1976	21.7	18.1	3.9	22.0	118.6	162.3	16.2	146.1	.681
1977	16.2	24.5	3.6	28.1	122.3	166.6	27.2	139.4	.644
1978	27.2	28.2	3.5	31.7	135.0	193.9	21.7	172.2	.789
1979 (1)	21.7	32.3	4.0	36.3	144.7	202.7	24.0	178.7	.812
1980 (1)	24.0	38.4	6.4	44.8	131.4	200.2	19.7	180.6	.812

(1) Preliminary.

Note: Annual data differs from monthly because it includes landings from other areas that are not available monthly or not available on a timely basis.

TABLE A10.--SUPPLY AND USE OF FRESH AND FROZEN COD, MONTHLY, 1979-81
(FILLET WEIGHT)

MONTH	SUPPLY				USE	
	BEGINNING STOCKS	LANDINGS	IMPORTS	TOTAL	ENDING STOCKS	APPARENT CONSUMPTION
	MILLION POUNDS					
1979						
JANUARY	21.7	1.7	6.6	29.9	22.1	7.9
FEBRUARY	22.1	1.1	11.1	34.3	18.4	15.8
MARCH	18.4	2.4	15.2	36.0	16.5	19.5
1ST QTR	21.7	5.1	32.8	59.7	16.5	43.2
APRIL	16.5	2.9	16.0	35.4	19.8	15.7
MAY	19.8	3.9	18.7	42.3	19.6	22.8
JUNE	19.6	3.9	12.8	36.3	23.2	13.0
2ND QTR	16.5	10.7	47.5	74.7	23.2	51.4
JULY	23.2	2.8	14.9	40.9	26.8	14.1
AUGUST	26.8	3.0	8.2	38.0	31.2	6.9
SEPTEMBER	31.2	2.8	16.8	50.8	30.4	20.4
3RD QTR	23.2	8.6	40.0	71.8	30.4	41.4
OCTOBER	30.4	2.9	4.9	38.1	29.2	8.9
NOVEMBER	29.2	2.9	8.3	40.5	27.1	13.4
DECEMBER	27.1	1.8	11.1	40.0	24.0	16.0
4TH QTR	30.4	7.5	24.3	62.2	24.0	38.3
YEAR	21.7	32.0	144.7	198.4	24.0	174.4
1980						
JANUARY	24.0	2.2	12.4	38.6	25.2	13.4
FEBRUARY	25.2	2.9	7.5	35.6	20.4	15.2
MARCH	20.4	2.6	14.8	37.8	21.3	16.4
1ST QTR	24.0	7.7	34.7	66.3	21.3	45.0
APRIL	21.3	4.1	10.9	36.4	23.8	12.6
MAY	23.8	5.1	13.5	42.5	24.9	17.6
JUNE	24.9	4.0	13.6	42.5	26.1	16.3
2ND QTR	21.3	13.2	38.0	72.6	26.1	46.5
JULY	26.1	3.7	12.2	42.0	25.8	16.2
AUGUST	25.8	2.9	8.4	37.1	28.7	8.4
SEPTEMBER	28.7	3.7	10.8	43.1	26.0	17.1
3RD QTR	26.1	10.3	31.4	67.8	26.0	41.8
OCTOBER	26.0	3.1	12.0	41.1	20.7	20.4
NOVEMBER	20.7	2.0	7.6	30.3	20.1	10.2
DECEMBER	20.1	1.6	7.7	29.4	19.7	9.8
4TH QTR	26.0	6.7	27.3	60.0	19.7	40.4
YEAR	24.0	37.9	131.4	193.3	19.7	173.6
1981						
JANUARY	19.7	1.7	9.4	30.7	20.9	9.8
FEBRUARY	20.9	3.6	14.5	39.0	20.3	18.6
MARCH	20.3		21.4		23.3	
1ST QTR	19.7		45.3		23.3	
APRIL	23.3					
MAY						
JUNE						
2ND QTR						
JULY						
AUGUST						
SEPTEMBER						
3RD QTR						
OCTOBER						
NOVEMBER						
DECEMBER						
4TH QTR						
YEAR						

SOURCES: STOCKS: FROZEN FISHERY PRODUCTS, NATIONAL MARINE FISHERIES SERVICE.
LANDINGS: PRODUCTION AND VALUE OF FISHERIES AT MAJOR NEW ENGLAND PORTS, NMFS. THIS IS THE SUM OF THE LANDINGS AT PRINCIPAL NEW ENGLAND PORTS ADJUSTED TO APPROXIMATE NEW ENGLAND LANDINGS.
IMPORTS: DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS.

NOTE: DATA ARE PRELIMINARY. FIGURES MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

TABLE A11.--EXVESSEL, WHOLESALE, AND RETAIL PRICES OF COD, MONTHLY, 1976-80

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVERAGE
						CENTS PER POUND							
EXVESSEL PRICE, AT MAJOR NEW ENGLAND PORTS (1)													
1977	32 8	31.5	29.3	22.3	16.0	15.2	17.4	22.7	32.3	32.2	26.2	28.3	22.9
1978	30.1	23.4	35.6	21.1	17.6	16.8	27.1	27.5	29.5	24.0	27.9	43.3	25.1
1979	39.5	55.4	33.5	27.8	21.4	21.5	26.9	28.3	30.5	35.2	29.1	47.2	30.3
1980	45.1	34.4	37.5	22.6	18.5	20.9	24.0	27.5	25.9	32.4	38.0	42.3	28.4
1981	46.8	33.3											
WHOLESALE PRICE, FROZEN FILLETS (CANADIAN, 5-LB. PACKAGE) (2)													
1977	80.8	89.0	90.4	92.8	95.6	93.6	92.1	90.9	89.5	90.0	93.4	94.9	91.1
1978	95.0	95.0	95.0	91.8	90.0	90.0	89.5	88.4	88.0	88.0	88.0	87.5	90.5
1979	87.4	93.5	97.5	100.4	96.0	89.5	83.0	80.3	80.3	84.5	85.0	85.0	88.5
1980	85.0	86.5	88.3	86.0	82.3	81.0	81.0	82.3	92.5	100.0	100.0	108.3	89.4
1981	117.5	117.5	117.5	115.5									
WHOLESALE PRICE, FROZEN FILLETS (ICELANDIC, 5-LB. BONELESS) (3)													
1977	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	130.0	130.0	130 0	130.0	126.7
1978	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
1979	145.0	145.0	145.0	145.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	155.0
1980	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0
1981	160.0	160.0	160.0	160.0									
WHOLESALE PRICE, FRESH FILLETS, AT NEW YORK CITY (4)													
1977	192 5	186.9	174.5	158.1	129.4	175.6	141.9	153.5	178.1	185.6	167.5	174.4	168 2
1978	192.5	167.5	183.0	161.9	145.0	143.8	178.8	183.0	180.6	168.8	182.0	243.8	177.5
1979	217 5	256.3	185.0	189.4	155.5	153.1	171.3	177.0	179.4	190.0	178.8	230.6	190.3
1980	230.0	206.9	223.8	177.0	152.5	166.9	170.0	186.9	172.5	185.0	211.3	224.5	192.3
1981	283.1	214.4	234.4	224.5									
RETAIL PRICE, FROZEN FILLETS (5)													
1977	149.0	148.0	150.0	162.0	164.0	165.0	167.0	172.0	179.0	182.0	174.0	174.0	165.5
1978	171.0	173.0	182.0	182.0	184.0	183.0	180.0	184 0	186.0	188.0	187.0	190.0	182.5
1979	186.0	193.0	194.0	193.0	195.0	203.0	195.0	202.0	198.0	203.0	211.0	207.0	198.3
1980	219.0	203.0	199.0	197.0	198.0	199.0	198.0	206.0	204.0	203.0	204.0	210.0	203.3
1981	208.0	206.0	220.0	220.0									
RETAIL PRICE, FRESH FILLETS, AT NEW YORK CITY (6)													
1977	251.8	251.0	253.0	269.1	246.5	246.0	237.8	238.0	263.5	262.8	257.0	257.8	252.8
1978	255.3	279.0	278.9	289.0	289.0	295.3	294.0	297.0	301.5	297.8	292.8	300.7	289.2
1979	295.0	325.3	330.3	329.0	296.5	296.5	292.8	292.8	292.8	305.0	304.0	300.7	305.0
1980	329.0	342.0	352.0	340.5	337.8	337.0	319.5	330.8	337.0	332.0	327.5	355.0	336.7
1981	393.8	409.5	410.4	382.3									

(1) SOURCE: PRODUCTION AND VALUE OF FISHERIES AT MAJOR NEW ENGLAND PORTS; ANNUAL AVERAGES ARE WEIGHTED.
(2) SOURCE: FISHERY MARKET NEWS REPORT, BOSTON -- RESOURCE STATISTICS DIVISION, NMFS.
(3) SOURCE: FISHERY MARKET NEWS REPORT, BOSTON -- RESOURCE STATISTICS DIVISION, NMFS.
(4) SOURCE: FISHERY MARKET NEWS REPORT, NEW YORK -- RESOURCE STATISTICS DIVISION, NMFS. AVERAGE MONTHLY PRICE FOR DOMESTIC FILLETS AT NEW YORK CITY FULTON MARKET.
(5) SOURCE: OPERATION PRICE WATCH -- FISHERIES DEVELOPMENT DIVISION, NMFS.
(6) SOURCE: RETAIL PRICE REPORT, NEW YORK MARKET INFORMATION SERVICE; AVERAGE MONTHLY PRICE FOR DOMESTIC FILLETS.

Table A12.--Supply and use of fresh and frozen flatfish, 1960-80
(Fillet weight)

Year	Supply			Use			
	Beginning stocks	U.S. Landings	Imports	Total	Ending stocks	Apparent consumption	
						Total	Per capita
	Million pounds						Pounds
1960	5.7	43.3	18.7	67.7	7.5	60.2	0.335
1961	7.5	45.4	18.4	71.3	6.1	65.2	.356
1962	6.1	53.0	18.4	77.5	6.2	71.3	.383
1963	6.2	60.3	16.6	83.1	8.0	75.1	.398
1964	8.0	60.1	21.6	89.7	9.0	80.7	.422
1965	9.0	61.3	24.1	94.4	6.6	87.8	.453
1966	6.6	59.5	34.7	100.8	10.2	90.6	.463
1967	10.2	52.1	33.3	95.6	10.7	84.9	.426
1968	10.7	53.1	39.5	103.3	7.8	95.5	.429
1969	7.8	58.4	48.1	114.3	9.3	105.0	.520
1970	9.3	60.7	58.9	128.9	16.1	112.8	.551
1971	16.1	56.1	56.3	128.5	9.3	119.2	.557
1972	9.3	60.9	88.2	158.4	11.2	147.2	.703
1973	11.2	58.5	105.9	175.4	25.4	150.2	.719
1974	25.4	56.1	77.5	159.0	22.4	136.6	.647
1975	22.4	56.3	98.3	177.0	12.7	164.3	.769
1976	12.7	56.2	100.9	169.8	17.7	152.1	.709
1977	17.7	55.9	95.9	169.5	18.9	150.6	.696
1978	18.9	61.6	94.3	174.8	23.8	151.0	.692
1979 (1)	23.8	71.4	81.2	176.4	21.8	154.6	.702
1980 (1)	21.8	74.0	71.6	167.3	15.9	151.5	.681

(1) Preliminary.
Note: Data reported is for both flounder and Greenland turbot. Prior to 1975 these two species were not separated and were reported as flatfish products. Annual data differs from monthly because it includes landings from other areas that are not available monthly or not available on a timely basis.

TABLE A13.--SUPPLY AND USE OF FRESH AND FROZEN FLOUNDER, MONTHLY, 1979-81
(FILLET WEIGHT)

MONTH	SUPPLY				USE	
	BEGINNING STOCKS	LANDINGS	IMPORTS	TOTAL	ENDING STOCKS	APPARENT CONSUMPTION
	MILLION POUNDS					
1979						
JANUARY	9.7	1.4	2.4	13.5	8.9	4.5
FEBRUARY	8.9	0.9	2.4	12.2	7.3	4.9
MARCH	7.3	2.4	2.3	12.0	5.6	6.3
1ST QTR	9.7	4.7	7.0	21.4	5.6	15.8
APRIL	5.6	2.4	2.6	10.7	5.1	5.5
MAY	5.1	2.6	2.9	10.7	5.8	4.9
JUNE	5.8	2.3	3.9	12.0	6.6	5.4
2ND QTR	5.6	7.3	9.5	22.4	6.6	15.8
JULY	6.6	2.3	3.7	12.6	7.1	5.5
AUGUST	7.1	2.2	5.6	14.9	8.4	6.5
SEPTEMBER	8.4	2.2	4.6	15.2	8.5	6.8
3RD QTR	6.6	6.7	13.9	27.2	8.5	18.7
OCTOBER	8.5	2.6	5.1	16.1	10.3	5.9
NOVEMBER	10.3	2.6	5.8	18.6	11.8	6.8
DECEMBER	11.8	2.0	4.9	18.8	12.7	6.0
4TH QTR	8.5	7.2	15.8	31.4	12.7	18.7
YEAR	9.7	25.9	46.2	81.8	12.7	69.0
1980						
JANUARY	12.7	2.1	1.7	16.5	12.5	4.0
FEBRUARY	12.5	2.2	1.1	15.7	10.8	4.9
MARCH	10.8	2.2	2.6	15.6	10.0	5.6
1ST QTR	12.7	6.5	5.4	24.6	10.0	14.6
APRIL	10.0	3.1	2.7	15.8	7.8	8.0
MAY	7.8	3.8	2.0	13.5	6.9	6.6
JUNE	6.9	2.6	5.0	14.6	7.6	7.1
2ND QTR	10.0	9.6	9.7	29.2	7.6	21.6
JULY	7.6	2.8	5.8	16.2	10.0	6.2
AUGUST	10.0	3.0	3.3	16.3	10.0	6.3
SEPTEMBER	10.0	3.0	2.4	15.4	9.3	6.1
3RD QTR	7.6	8.8	11.5	27.9	9.3	18.5
OCTOBER	9.3	2.7	3.9	15.9	9.5	6.4
NOVEMBER	9.5	2.1	4.6	16.3	11.1	5.1
DECEMBER	11.1	2.4	1.5	15.0	12.5	2.5
4TH QTR	9.3	7.2	10.0	26.5	12.5	14.0
YEAR	12.7	32.1	36.5	81.3	12.5	68.8
1981						
JANUARY	12.5	1.9	9.2	23.6	15.0	8.7
FEBRUARY	15.0	2.3	1.7	19.0	11.9	7.1
MARCH	11.9		3.2		11.2	
1ST QTR	12.5		14.1		11.2	
APRIL	11.2					
MAY						
JUNE						
2ND QTR						
JULY						
AUGUST						
SEPTEMBER						
3RD QTR						
OCTOBER						
NOVEMBER						
DECEMBER						
4TH QTR						
YEAR						

SOURCES: STOCKS: FROZEN FISHERY PRODUCTS, NATIONAL MARINE FISHERIES SERVICE.
LANDINGS: PRODUCTION AND VALUE OF FISHERIES AT MAJOR NEW ENGLAND PORTS, NMFS. THIS IS THE SUM OF THE LANDINGS AT PRINCIPAL NEW ENGLAND PORTS ADJUSTED TO APPROXIMATE NEW ENGLAND LANDINGS.
IMPORTS: DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS.

NOTE: DATA ARE PRELIMINARY. FIGURES MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

TABLE A14.--EXVESSEL, WHOLESALE, AND RETAIL PRICES OF FLOUNDER, MONTHLY, 1977-81

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVERAGE
	- CENTS PER POUND -												
EXVESSEL PRICE, YELLOWTAIL FLOUNDER, AT MAJOR NEW ENGLAND PORTS (1)													
1977	51.0	48.1	43.6	36.2	28.8	40.5	44.1	41.8	45.1	48.2	44.9	46.6	42.5
1978	61.3	54.6	66.1	38.4	35.1	37.9	58.6	56.0	68.4	63.3	50.7	60.1	51.8
1979	65.5	91.0	51.7	42.1	33.7	43.2	49.7	56.6	53.8	48.0	36.1	41.1	48.0
1980	52.5	52.6	68.1	34.3	27.9	33.8	39.0	43.3	36.2	45.8	46.9	43.3	42.2
1981	57.5	77.3											
WHOLESALE PRICE, FROZEN FILLETS (CANADIAN, 5-LB. PACKAGE) (2)													
1977	111.9	114.0	113.2	113.8	116.0	116.4	119.5	119.7	118.1	117.0	119.6	120.6	116.7
1978	118.4	116.9	119.2	119.5	120.6	-	131.0	131.0	131.0	134.0	134.0	134.0	126.3
1979	137.0	140.4	143.4	144.5	144.5	148.0	149.0	149.4	154.3	155.5	155.5	155.5	148.1
1980	155.5	155.5	154.0	154.0	150.6	146.3	143.0	142.1	140.0	136.5	130.6	125.5	144.5
1981	123.8	122.5	117.5	117.5									
RETAIL PRICE, FROZEN FILLETS (3)													
1977	196.0	196.0	196.0	199.0	200.0	197.0	197.0	203.0	207.0	210.0	201.0	209.0	200.9
1978	214.0	204.0	218.0	216.0	220.0	218.0	220.0	226.0	231.0	230.0	228.0	227.0	221.0
1979	231.0	246.0	239.0	249.0	259.0	260.0	264.0	263.0	271.0	264.0	276.0	279.0	258.4
1980	278.0	281.0	282.0	286.0	276.0	287.0	287.0	283.0	261.0	289.0	284.0	290.0	282.0
1981	278.0	290.0	288.0	285.0									
RETAIL PRICE, FRESH FILLETS, AT NEW YORK CITY (4)													
1977	332.3	347.8	329.1	342.9	308.3	317.5	307.5	320.0	324.5	346.6	346.6	356.6	331.6
1978	363.4	392.8	390.0	399.0	382.0	367.3	397.3	393.3	416.6	415.3	410.5	431.0	396.5
1979	467.6	479.0	436.0	409.0	402.8	392.8	386.5	367.8	384.8	381.0	364.0	380.7	404.3
1980	391.5	380.3	395.3	419.8	372.8	403.8	404.5	417.0	415.8	420.8	412.5	402.3	403.0
1981	486.3	493.3	505.0	469.3									

(1) SOURCE: PRODUCTION AND VALUE OF FISHERIES AT MAJOR NEW ENGLAND PORTS. ANNUAL AVERAGES ARE WEIGHTED.
(2) SOURCE: FISHERY MARKET NEWS REPORT, BOSTON -- RESOURCE STATISTICS DIVISION, NMFS.
(3) SOURCE: OPERATION PRICE WATCH -- FISHERIES DEVELOPMENT DIVISION, NMFS.
(4) SOURCE: RETAIL PRICE WATCH REPORT, NEW YORK MARKET INFORMATION SERVICE; AVERAGE MONTHLY PRICE FOR DOMESTIC FILLETS.

TABLE A15.--SUPPLY AND USE OF TURBOT FILLETS, MONTHLY, 1979-81
(FILLET WEIGHT)

MONTH	SUPPLY				USE	
	BEGINNING STOCKS	LANDINGS	IMPORTS	TOTAL	ENDING STOCKS	APPARENT CONSUMPTION
	MILLION POUNDS					
1979						
JANUARY	14.1	0.0	2.2	16.3	12.0	4.2
FEBRUARY	12.0	0.0	0.9	13.0	10.3	2.6
MARCH	10.3	0.0	1.2	11.6	7.1	4.5
1ST QTR	14.1	0.0	4.3	18.4	7.1	11.3
APRIL	7.1	0.0	2.3	9.4	6.5	2.9
MAY	6.5	0.0	1.5	8.0	5.8	2.2
JUNE	5.8	0.0	2.5	8.3	5.3	3.0
2ND QTR	7.1	0.0	6.3	13.4	5.3	8.1
JULY	5.3	0.0	3.0	8.3	6.1	2.2
AUGUST	6.1	0.0	6.7	12.9	8.5	4.4
SEPTEMBER	8.5	0.0	6.7	15.2	10.2	5.1
3RD QTR	5.3	0.0	16.5	21.8	10.2	11.6
OCTOBER	10.2	0.0	4.1	14.3	10.5	3.7
NOVEMBER	10.5	0.0	2.3	12.9	10.5	2.4
DECEMBER	10.5	0.0	1.4	11.9	9.1	2.8
4TH QTR	10.2	0.0	7.8	18.0	9.1	8.9
YEAR	14.1	0.0	35.0	49.1	9.1	40.0
1980						
JANUARY	9.1	0.0	1.5	10.6	7.1	3.4
FEBRUARY	7.1	0.0	1.6	8.7	4.7	4.0
MARCH	4.7	0.0	2.2	6.9	3.5	3.4
1ST QTR	9.1	0.0	5.2	14.3	3.5	10.8
APRIL	3.5	0.0	1.5	5.0	2.9	2.1
MAY	2.9	0.0	1.5	4.4	2.2	2.2
JUNE	2.2	0.0	2.5	4.7	2.0	2.7
2ND QTR	3.5	0.0	5.5	9.0	2.0	7.0
JULY	2.0	0.0	3.9	6.0	3.7	2.3
AUGUST	3.7	0.0	5.0	8.7	3.5	5.2
SEPTEMBER	3.5	0.0	4.0	7.5	4.0	3.5
3RD QTR	2.0	0.0	13.0	15.0	4.0	11.0
OCTOBER	4.0	0.0	5.8	9.8	4.7	5.2
NOVEMBER	4.7	0.0	4.2	8.8	5.1	3.8
DECEMBER	5.1	0.0	1.4	6.5	3.4	3.1
4TH QTR	4.0	0.0	11.4	15.4	3.4	12.0
YEAR	9.1	0.0	35.0	44.1	3.4	40.8
1981						
JANUARY	3.4	0.0	1.8	5.2	3.5	1.7
FEBRUARY	3.5	0.0	0.6	4.1	2.4	1.7
MARCH	2.4	0.0	0.8	3.2	2.0	1.1
1ST QTR	3.4	0.0	3.2	6.5	2.0	4.5
APRIL	2.0	0.0				
MAY						
JUNE						
2ND QTR						
JULY						
AUGUST						
SEPTEMBER						
3RD QTR						
OCTOBER						
NOVEMBER						
DECEMBER						
4TH QTR						
YEAR						

SOURCES: STOCKS: FROZEN FISHERY PRODUCTS, NATIONAL MARINE FISHERIES SERVICE.
IMPORTS: DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS.

NOTE: DATA ARE PRELIMINARY. FIGURES MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

TABLE A16.--WHOLESALE AND RETAIL PRICES OF TURBOT, MONTHLY, 1977-81

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVERAGE
	CENTS PER POUND												
WHOLESALE PRICE, FROZEN FILLETS (CANADIAN, 5-LB. PACKAGE) (1)													
1977	72.8	71.4	72.6	74.3	84.0	94.0	90.9	91.3	92.1	93.5	91.2	92.9	85.1
1978	92.8	92.0	96.5	94.3	94.9	95.9	97.0	96.2	94.9	96.0	95.6	95.5	95.1
1979	95.8	95.0	96.0	96.0	97.0	95.8	95.6	95.5	95.5	94.7	94.0	94.8	95.5
1980	95.8	96.0	94.0	93.8	92.8	91 8	92.6	92.3	93.4	95.0	93.6	94.8	93.8
1981	95.3	95.0	96.7	-									
WHOLESALE PRICE, FROZEN FILLETS (JAPANESE, 25-LB. IQF) (2)													
1977	71.1	73.0	76.7	81.5	94.0	100.5	102.5	103.4	104.8	103.5	101.3	99.5	92.6
1978	104.2	105.8	104.5	-	-	102.8	103.5	101.8	100.6	98.3	97.0	96.8	101.5
1979	96.5	98.4	101.5	103.0	103.0	103.0	103.0	103.0	103.8	102.0	102.0	100.0	101.6
1980	100.0	110.0	101.5	101.5	-	99.0	99.0	107.3	108.0	109.0	111.3	112.5	105.4
1981	112.5	120.6	123.5	123.5									
RETAIL PRICE, FROZEN FILLETS (3)													
1977	113.0	113 0	110.0	115.0	120.0	131.0	138.0	132.0	142.0	147.0	155.0	157.0	131.1
1978	148.0	150.0	154.0	160.0	160.0	159.0	154.0	157.0	162.0	162.0	160.0	157.0	156.9
1979	160.0	155.0	167.0	161.0	169.0	173.0	184.0	181.0	175.0	181.0	164.0	171.0	170.1
1980	170.0	169.0	174.0	175.0	181.0	181.0	180.0	175.0	176.0	175.0	182.0	188.0	177.2
1981	187.0	194.0	191.0	193.0									

(1) SOURCE: FISHERY MARKET NEWS REPORT, BOSTON -- RESOURCE STATISTICS DIVISION, NMFS.
(2) SOURCE: FISHERY MARKET NEWS REPORT, BOSTON -- RESOURCE STATISTICS DIVISION, NMFS.
(3) SOURCE: OPERATION PRICE WATCH -- FISHERIES DEVELOPMENT DIVISION, NMFS.

Table A17.--Supply and use of fresh and frozen haddock, 1960-80

Year	Supply			Use			
	Beginning stocks	U.S. landings	Imports (1)	Total	Ending	Apparent consumption	
						Total	Per capita
	Million pounds						
1960	10.2	41.7	18.2	70.1	8.1	62.0	0.345
1961	8.1	46.9	21.1	76.1	10.3	65.8	.354
1962	10.3	47.1	20.6	78.0	5.4	72.6	.386
1963	5.4	43.5	19.6	68.7	4.8	63.9	.327
1964	4.8	46.9	19.1	70.8	7.4	63.4	.334
1965	7.4	47.0	17.0	71.4	6.7	64.7	.334
1966	6.7	46.4	21.5	74.6	7.9	66.7	.340
1967	7.9	34.6	21.4	63.9	6.9	57.0	.288
1968	6.9	24.6	26.7	58.2	4.8	53.4	.267
1969	4.8	16.0	28.1	48.9	7.1	41.8	.206
1970	7.1	9.4	29.5	46.0	5.9	40.1	.196
1971	5.9	7.5	28.4	41.8	8.9	32.9	.159
1972	8.9	4.1	29.1	42.1	9.8	32.3	.155
1973	9.8	2.9	29.6	42.3	10.6	31.7	.151
1974	10.6	2.9	20.5	34.0	10.4	23.6	.112
1975	10.4	5.7	25.6	41.7	7.5	34.2	.161
1976	7.5	4.5	27.8	39.8	5.1	34.7	.162
1977	5.1	10.0	28.4	43.5	7.7	35.8	.165
1978	7.7	13.9	29.0	50.6	6.3	44.3	.203
1979 (2)	6.3	14.7	31.7	52.7	4.4	48.3	.219
1980 (2)	4.4	19.4	29.0	52.7	7.7	45.0	.202

(1) Haddock fillet imports estimated from the category that included haddock, cusk, hake, and pollock.
(2) Preliminary.
Note: Imports were revised starting in 1972, and this also changes total supply and consumption.

TABLE A18.--SUPPLY AND USE OF FRESH AND FROZEN HADDOCK, MONTHLY. 1979-81
(FILLET WEIGHT)

MONTH	SUPPLY				USE	
	BEGINNING STOCKS	LANDINGS	IMPORTS	TOTAL	ENDING STOCKS	APPARENT CONSUMPTION
	MILLION POUNDS					
1979						
JANUARY	6.3	1.0	1.5	8 8	5.3	3.5
FEBRUARY	5 3	0.8	3.2	9 3	3.4	6.0
MARCH	3.4	1.1	4.5	8.9	3.3	5.6
1ST QTR	6.3	3.0	9.1	18.3	3.3	15.0
APRIL	3.3	1.5	2.6	7.3	3.9	3.4
MAY	3.9	1.8	2.3	8.0	3.8	4.2
JUNE	3.8	1.7	2.2	7.7	3.3	4.4
2ND QTR	3.3	5.0	7.1	15.3	3.3	12.0
JULY	3.3	1.5	3.0	7.8	3.2	4.6
AUGUST	3.2	1.5	2.0	6.7	4.2	2.5
SEPTEMBER	4 2	1.3	4.1	9.5	4.1	5.4
3RD QTR	3.3	4.2	9.2	16.6	4.1	12.5
OCTOBER	4.1	1.2	2.5	7.7	4.6	3.2
NOVEMBER	4.6	1.3	2.1	7.9	4.6	3.4
DECEMBER	4.6	0.7	1.8	7.1	4.4	2.7
4TH QTR	4.1	3.1	6.4	13.6	4.4	9.3
YEAR	6.3	15.2	31.7	53.2	4.4	48.9
1980						
JANUARY	4.4	1.1	1.9	7.4	5.1	2.3
FEBRUARY	5.1	1.4	2.1	8.6	3.6	5.0
MARCH	3.6	1.5	5.0	10.1	4.2	5.9
1ST QTR	4.4	4.0	9.1	17.4	4.2	13.2
APRIL	4.2	2.2	2.1	8.5	4.6	3.8
MAY	4.6	2.3	1.7	8.6	5.2	3.4
JUNE	5.2	1.6	2.9	9.7	5.5	4.1
2ND QTR	4.2	6.1	6.6	16.9	5.5	11.4
JULY	5.5	2.0	2.7	10.3	5.8	4.6
AUGUST	5.8	1.3	2.2	9.3	7.0	2.2
SEPTEMBER	7.0	2.2	2.5	11.8	6.7	5.0
3RD QTR	5.5	5.6	7.4	18.6	6.7	11.8
OCTOBER	6.7	1.5	1.8	10.1	7.4	2.7
NOVEMBER	7.4	1.3	1.7	10.4	8.3	2.0
DECEMBER	8.3	1.1	2.3	11.7	7.7	4.1
4TH QTR	6.7	3.9	5.9	16.5	7.7	8.8
YEAR	4.4	19.6	29.0	52.9	7.7	45.2
1981						
JANUARY	7.7	1.4	1.2	10.3	6.7	3.6
FEBRUARY	6.7	2.2	2.8	11.8	5.0	6.8
MARCH	5.0		4.3		5.3	
1ST QTR	7.7		8.4		5.3	
APRIL	5.3					
MAY						
JUNE						
2ND QTR						
JULY						
AUGUST						
SEPTEMBER						
3RD QTR						
OCTOBER						
NOVEMBER						
DECEMBER						
4TH QTR						
YEAR						

SOURCES: STOCKS: FROZEN FISHERY PRODUCTS, NATIONAL MARINE FISHERIES SERVICE.
LANDINGS: PRODUCTION AND VALUE OF FISHERIES AT MAJOR NEW ENGLAND PORTS, NMFS. THIS IS THE SUM OF THE LANDINGS AT PRINCIPAL NEW ENGLAND PORTS ADJUSTED TO APPROXIMATE NEW ENGLAND LANDINGS.
IMPORTS: DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS. ESTIMATED FROM THE CATEGORY THAT ALSO INCLUDES CUSK, HAKE, AND POLLOCK.

NOTE: DATA ARE PRELIMINARY. FIGURES MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

TABLE A19.--EXVESSEL, WHOLESALE, AND RETAIL PRICES OF HADDOCK, MONTHLY, 1977-81

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVERAGE
	CENTS PER POUND												
EXVESSEL PRICE, AT MAJOR NEW ENGLAND PORTS (1)													
1977	42.5	36.0	43.6	38.7	28.6	28.0	25.5	31.3	33.4	30.8	30.3	34.4	32.4
1978	37.7	27.2	41.1	31.5	26.9	23.0	31.2	32.9	36.2	34.2	33.5	59.7	32.0
1979	45.0	60.2	42.3	36.1	33.4	31.5	41.2	38.7	43.1	49.7	44.6	62.8	41.9
1980	63.9	49.1	53.7	30.7	24.6	35.5	31.4	23.6	31.3	39.7	47.7	54.1	38.0
1981	50.1	35.9											
WHOLESALE PRICE, FROZEN FILLETS (CANADIAN, 5-LB. PACKAGE) (2)													
1977	103.9	-	-	105.5	105.5	105.4	105.0	105.0	104.2	105.4	105.0	105.0	105.0
1978	105.0	104.5	103.8	103.0	103.3	103.5	103.5	102.6	99.0	99.0	99.0	99.0	102.1
1979	99 0	-	-	-	-	110.0	110.0	110.2	112.0	118.0	120.8	120.6	112.6
1980	122.5	125 0	125.0	-	134.1	125.0	125.0	125.0	124.4	122.5	122.9	-	125.1
1981	117.8	120.0	116.7	116.5									
WHOLESALE PRICE, FRESH FILLETS, AT BOSTON (3)													
1977	203.3	138.8	188.1	171.9	131.0	125.0	110.0	136.9	135.0	126.0	130.6	161.7	146.5
1978	150.0	120.0	168.8	155.0	122.5	133.3	157.5	155.0	151.9	141.5	149.4	237.5	153.5
1979	201.0	238.1	183.1	169.0	158.1	144.4	181.5	166.9	176.9	205.0	184.4	211.3	185.0
1980	240.0	192.5	211.0	146.9	148.1	155.5	138.8	141.7	138.0	159.4	173.1	197.5	170.2
1981	214.4	151.9	213.5	253.1									
RETAIL PRICE, FROZEN FILLETS (4)													
1977	172.0	178.0	178.0	183.0	181.0	181.0	185.0	192.0	197.0	192.0	195.0	195.0	185.8
1978	193.0	196.0	196.0	202.0	203 0	205.0	207.0	210.0	213.0	215.0	216.0	217.0	206.1
1979	213.0	215.0	217.0	219.0	222.0	227.0	226.0	231.0	235.0	243.0	258.0	244.0	229.2
1980	254.0	263.0	259.0	260.0	252.0	258.0	254.0	266.0	261.0	265.0	269.0	271.0	261.0
1981	259.0	263.0	264.0	258.0									

(1) SOURCE: PRODUCTION AND VALUE OF FISHERIES AT MAJOR NEW ENGLAND PORTS. ANNUAL AVERAGES ARE WEIGHTED.
(2) SOURCE: FISHERY MARKET NEWS REPORT, BOSTON -- RESOURCE STATISTICS DIVISION, NMFS.
(3) SOURCE: BOSTON MARKET NEWS OFFICE -- RESOURCE STATISTICS DIVISION, NMFS.
(4) SOURCE: OPERATION PRICE WATCH -- FISHERIES DEVELOPMENT DIVISION, NMFS.

Table A20.--Supply and use of ocean perch, 1960-80
(Fillet weight)

Year	Supply					Use			
	Beginning stocks	Landings			Imports	Total	Ending stocks	Apparent consumption	
		Atlantic	Pacific	Total				Total	Per capita
	-Million pounds-								-Pounds-
1960	14.9	42.4	2.7	45.1	14.4	74.4	13.7	60.7	0.337
1961	13.7	39.6	3.7	43.3	18.4	75.7	13.0	62.7	.343
1962	13.0	37.2	5.2	42.4	19.5	74.9	13.5	61.4	.330
1963	13.5	32.5	7.1	39.6	21.5	74.6	16.3	58.3	.310
1964	16.3	26.8	6.3	33.1	22.9	72.3	15.4	56.9	.297
1965	15.4	25.3	8.5	33.8	25.7	74.9	12.2	62.7	.325
1966	12.2	24.4	6.7	31.1	41.6	84.9	17.9	67.0	.342
1967	17.9	21.4	6.2	27.6	36.3	81.8	18.0	63.8	.319
1968	18.0	18.7	3.8	22.5	50.4	90.9	19.7	71.2	.356
1969	19.7	17.3	4.3	21.6	64.2	105.5	16.4	89.1	.446
1970	16.4	15.5	4.3	19.8	54.2	90.4	21.3	69.1	.338
1971	21.3	16.8	2.8	19.6	56.7	97.6	20.7	76.9	.372
1972	20.7	16.5	2.6	19.1	71.7	111.5	17.8	93.7	.447
1973	17.8	15.0	1.4	16.4	88.4	122.6	27.3	95.3	.454
1974	27.3	11.6	0.6	12.2	59.6	99.1	18.2	80.9	.383
1975	18.3	9.0	2.0	11.0	67.6	96.8	10.0	86.8	.406
1976	10.0	9.6	1.7	11.3	60.1	81.4	14.3	67.1	.313
1977	14.3	10.5	1.7	12.2	45.2	71.7	9.5	62.2	.287
1978	9.5	10.7	1.6	12.3	47.6	69.3	11.5	57.8	.265
1979 (1)	11.5	10.2	2.2	12.4	52.8	76.7	19.4	57.3	.260
1980 (1)	19.4	7.3	2.0	9.3	38.4	67.0	8.7	58.3	.262

(1) Preliminary.

Note: Annual data differs from monthly because it includes landings from other areas that are not available monthly or not available on a timely basis.

TABLE A21.--SUPPLY AND USE OF FRESH AND FROZEN OCEAN PERCH, MONTHLY, 1979-81
(FILLET WEIGHT)

MONTH	SUPPLY				USE	
	BEGINNING STOCKS	LANDINGS	IMPORTS	TOTAL	ENDING STOCKS	APPARENT CONSUMPTION
	MILLION POUNDS					
1979						
JANUARY	11.5	0.7	2.6	14.7	9.8	5.0
FEBRUARY	9 8	0.6	2.2	12.5	6.4	6.1
MARCH	6.4	1.0	2.1	9.5	4.0	5.5
1ST QTR	11.5	2.3	6.8	20.6	4.0	16.5
APRIL	4.0	1.0	2.7	7.7	4.4	3.3
MAY	4.4	1.4	3.3	9.2	5.5	3.7
JUNE	5.5	1.1	3.1	9.7	5.9	3.8
2ND QTR	4.0	3.5	9.1	16.6	5.9	10.8
JULY	5.9	0.8	5.8	12.5	7.0	5.6
AUGUST	7.0	1.0	6.0	14.0	11.0	2.9
SEPTEMBER	11.0	0.6	7.4	19.1	12.8	6.3
3RD QTR	5.9	2.4	19.3	27.6	12.8	14.8
OCTOBER	12.8	1.0	7.0	20.8	16.0	4.8
NOVEMBER	16.0	0.7	5.9	22.6	18.4	4.2
DECEMBER	18.4	0.4	4.8	23.5	19.4	4.1
4TH QTR	12.8	2.0	17.6	32.5	19.4	13.1
YEAR	11.5	10.3	52.8	74.6	19.4	55.2
1980						
JANUARY	19.4	0.2	2.1	21.7	16.3	5.4
FEBRUARY	16.3	0.4	1.3	17.9	15.8	2.1
MARCH	15.8	0.4	5.3	21.6	13.6	8.1
1ST QTR	19.4	1.0	8.7	29.1	13.6	15.5
APRIL	13.6	0.7	1.7	15.9	12.6	3.3
MAY	12.6	0.7	2.4	15.6	12.0	3.6
JUNE	12.0	1.0	2.2	15.2	8.8	6.4
2ND QTR	13.6	2.3	6.3	22.1	8.8	13.3
JULY	8.8	1.0	2.5	12.3	9.1	3.3
AUGUST	9.1	0.9	3.4	13.3	9.6	3.8
SEPTEMBER	9.6	0.8	4.7	15.1	8.9	6.2
3RD QTR	8.8	2.7	10.6	22.1	8.9	13.2
OCTOBER	8.9	0.5	4.6	14.0	8.9	5.1
NOVEMBER	8.9	0.4	5.0	14.2	8.6	5.6
DECEMBER	8.6	0.2	3.2	12.0	8.7	3.3
4TH QTR	8.9	1.1	12.8	22.8	8.7	14.1
YEAR	19.4	7.1	38.4	64.9	8.7	56.2
1981						
JANUARY	8.7	0.3	3.9	13.0	7.4	5.5
FEBRUARY	7.4	0.4	2.3	10.2	4.8	5.4
MARCH	4.8		3.9		3.8	
1ST QTR	8.7		10.1		3.8	
APRIL	3.8					
MAY						
JUNE						
2ND QTR						
JULY						
AUGUST						
SEPTEMBER						
3RD QTR						
OCTOBER						
NOVEMBER						
DECEMBER						
4TH QTR						
YEAR						

SOURCES: STOCKS: FROZEN FISHERY PRODUCTS, NATIONAL MARINE FISHERIES SERVICE.
LANDINGS: PRODUCTION AND VALUE OF FISHERIES AT MAJOR NEW ENGLAND PORTS, NMFS. THIS IS THE SUM OF THE LANDINGS AT PRINCIPAL NEW ENGLAND PORTS ADJUSTED TO APPROXIMATE NEW ENGLAND LANDINGS.
IMPORTS: DEPARTMENT OF COMMERCE. BUREAU OF THE CENSUS.

NOTE: DATA ARE PRELIMINARY. FIGURES MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

TABLE A22.--EXVESSEL, WHOLESALE, AND RETAIL PRICES OF OCEAN PERCH, MONTHLY, 1977-81

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVERAGE
	CENTS PER POUND												
EXVESSEL PRICE, AT MAJOR NEW ENGLAND PORTS (1)													
1977	15 3	15.5	15.3	16.2	15.0	15.3	15.2	15.2	15 3	15.7	15.4	15.9	15.3
1978	16.6	17.1	18.1	17.1	16.8	15.7	16.6	17.0	17.0	17.9	18.0	19.4	17.1
1979	20.6	24.4	22.3	21.5	19.3	16.4	20.4	20.7	21.2	21.4	21.1	23.7	20.7
1980	26.0	26.4	29.5	24.8	22.9	22.0	20.8	19.7	20.2	22.6	27.1	28.7	23 0
1981	32.5	32.2											
WHOLESALE PRICE, FROZEN FILLETS (CANADIAN, 5-LB. PACKAGE) (2)													
1977	92.0	92.0	92.0	92.0	92.5	92.7	94.0	94.0	93.8	93.8	94.4	94.0	93.1
1978	94.8	96.3	97.0	98.0	98.3	99.0	99.0	99.4	99.4	99.5	98.2	98.0	98.1
1979	98.0	99.0	103.8	105.0	106.5	107.5	110.0	110.0	110.0	110.0	110.0	110.0	106.7
1980	110.0	110.0	110.0	-	110.0	102.5	94.0	94.0	94.7	95.0	95.0	104.5	101.8
1981	100.0	96.3	96.3	95.0									
RETAIL PRICE FROZEN FILLETS (3)													
1977	163.0	159.0	161.0	159.0	163.0	166.0	172.0	168.0	170.0	165.0	169.0	169.0	165.3
1978	171.0	174.0	178.0	176.0	180.0	179.0	180.0	184.0	180.0	181.0	180.0	184.0	178.9
1979	184.0	188.0	192.0	194.0	201.0	207.0	213.0	210.0	211.0	216.0	214.0	216.0	203.8
1980	214.0	219.0	220.0	213.0	210.0	213.0	216.0	217.0	219.0	217.0	212.0	216.0	215.5
1981	217.0	218.0	208.0	214.0									

(1) SOURCE: PRODUCTION AND VALUE OF FISHERIES AT MAJOR NEW ENGLAND PORTS. ANNUAL AVERAGES ARE WEIGHTED.
(2) SOURCE: FISHERY MARKET NEWS REPORT, BOSTON -- RESOURCE STATISTICS DIVISION, NMFS.
(3) SOURCE: OPERATION PRICE WATCH -- FISHERIES DEVELOPMENT DIVISION, NMFS.

Table A23.--Supply and use of Pacific halibut, 1960-80 (1)
(Dressed weight)

Year	Supply				Use		
	Beginning stocks	U.S. landings	Imports	Total	Ending stocks	Apparent consumption	
						Total	Per capita
	Million pounds						Pounds
1960	18.9	38.3	28.6	85.8	14.4	71.4	0.396
1961	14.4	40.0	28.2	82.6	13.8	68.8	.376
1962	13.8	40.4	34.9	89.1	22.6	66.5	.357
1963	22.6	34.3	29.4	86.3	25.4	60.9	.323
1964	25.4	26.3	30.3	82.0	15.8	66.2	.346
1965	15.8	30.4	30.0	76.2	17.4	58.8	.304
1966	17.4	30.4	27.4	75.2	20.4	54.5	.278
1967	20.7	30.1	24.1	74.9	19.3	55.6	.281
1968	19.8	19.4	29.7	68.4	13.7	54.7	.274
1969	13.7	25.0	31.8	70.5	14.9	55.6	.276
1970	14.9	25.9	27.2	68.0	17.0	51.0	.249
1971	17.0	21.3	28.0	66.3	11.2	55.1	.266
1972	11.2	19.3	34.5	65.0	18.3	46.7	.223
1973	18.3	18.1	24.9	61.3	16.5	44.8	.214
1974	16.5	13.8	10.4	40.7	8.5	32.2	.152
1975	8.5	16.2	14.3	39.0	8.3	30.7	.144
1976	8.3	15.5	11.6	35.4	9.5	25.9	.121
1977	9.5	13.3	9.0	31.8	7.5	24.3	.112
1978	7.5	13.3	9.0	29.8	5.9	23.9	.110
1979	5.9	16.0	5.3	27.2	11.3	16.0	.073
1980(2)	11.3	14.4	6.7	32.4	8.6	23.8	.107

(1) Data were adjusted downward to correct for Greenland turbot that was classified as halibut.
(2) Preliminary.

Table A24.--Supply and use of canned salmon, 1965-80

Year	Supply				Use			
	Beginning stocks	Production	Imports	Total	Ending stocks	Exports	Apparent consumption	
							Total	Per capita
	Thousand standard cases							Pounds
1965	3,349	3,634	2	6,985	2,761	519	3,705	0.919
1966	2,761	4,358	12	7,131	3,456	427	3,248	.797
1967	3,456	2,072	3	5,531	2,087	428	3,016	.733
1968	2,087	3,448	103	5,638	2,746	119	2,773	.668
1969	2,746	2,551	46	5,343	2,163	324	2,856	.681
1970	2,163	3,832	51	6,036	2,650	350	3,036	.715
1971	2,650	3,509	32	6,191	2,699	380	3,112	.724
1972	2,699	1,935	243	4,877	1,508	445	2,924	.680
1973	1,508	1,495	178	3,181	941	353	1,887	.432
1974	941	1,829	146	2,916	1,668	173	1,075	.244
1975	1,668	1,627	68	3,363	1,354	469	1,540	.347
1976	1,354	2,659	53	4,066	2,042	412	1,611	.360
1977	2,042	3,142	12	5,196	2,586	443	2,167	.481
1978	2,586	3,422	7	6,015	2,707	677	2,631	.579
1979(1)	2,707	3,148	9	5,864	2,348	1,057	2,459	.536
1980(1)	2,348	4,200	3	6,551	2,484	1,505	2,562	.553

(1) Preliminary.

Source: National Food Processors Association; U.S. Department of Commerce, Bureau of the Census; and Fishery Statistics of the United States.

TABLE A25.--WHOLESALE PRICES OF CANNED SALMON, MONTHLY, 1977-81

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVERAGE
	- DOLLARS PER CASE -												
RED (SOCKEYE), 48 TALLS (1-LB. CANS)													
1977	84.75	85.50	87.00	87.50	87.50	87.50	88.10	89.00	91.50	93.00	92.50	92.00	88.82
1978	92.00	92.00	92.00	92.00	92.00	92.00	92.00	92.00	92.50	94.00	94.00	94.00	92.54
1979	94.00	94.00	94.00	95.50	96.00	96.00	96 00	101.50	106.33	106.00	106.25	107.67	99.44
1980	108.00	108.00	108.00	108.00	108.00	108.00	108.00	108.00	109.00	108.40	109.00	109.00	108.28
1981	110.60	111.00	111.00	111.00									
RED (SOCKEYE), 48 1/2-LB. CANS													
1977	55.00	55.50	57.00	56.80	56.38	57.50	57.70	58.00	58.50	59.00	59.00	59.00	57.45
1978	59.00	59.00	59.00	59.00	59.00	59.00	59.00	59.00	59.38	60.50	60.50	60.50	59.41
1979	60.50	60.50	60.50	60.75	60.50	60.50	60.50	64.50	68 00	68.00	69.88	69.50	63.64
1980	69.50	69.50	69.50	69.50	69.50	71.50	71.50	71.50	71.63	72.80	73.00	73.67	71.09
1981	74.00	74.00	74.00	74.00									
PINK, 48 TALLS (1-LB. CANS)													
1977	68.00	67.00	64.00	65.00	66.50	66.50	67.10	68.60	69.00	69.00	67.50	66.00	67.02
1978	66.00	66.00	66.00	66.00	66.00	66.00	66.00	66.00	65.00	62.00	63.25	64.00	65.19
1979	64.00	64.00	64.00	66.25	67.75	70.00	70.00	72.00	74.00	74.00	75.25	78 00	69.94
1980	76.50	76.00	76.00	77.50	78.00	78.00	78.00	78.00	80.25	80.00	80.25	80.75	78.27
1981	85 00	86.00	86.00	86.00									
CHUM, 48 TALLS (1-LB. CANS)													
1977	59.00	58.75	58.00	58.40	59.00	59.00	59.00	59.00	60.50	61.00	58.75	57.50	58.99
1978	57.50	57.50	57.50	57.00	57.00	57.00	57.00	57.00	57.25	58.00	58.00	58.00	57.40
1979	58.00	58.00	58.00	59.50	60.00	60.00	60.00	62.50	66.33	67.00	69.63	69.67	62.39
1980	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70 00	74.25	74.25	74.25	74.08	71.40
1981	74.00	74.00	74.00	74.00									

SOURCE: FISHERY MARKET NEWS REPORT, SEATTLE -- RESOURCE STATISTICS DIVISION, NMFS; AVERAGE OF THE WEEKLY PRICES REPORTED BY SEATTLE BROKERS AND CANNERS FOR TOP QUALITY STOCKS ONLY.

Table A26.--U.S. supply of canned sardines, 1967-80

(Canned weight)

Year	U.S. pack Maine sardines	Imports	Total supply	Exports	Total for U.S. consumption
			Thousand pounds		
1967	29,260	52,439	81,699	1,373	80,326
1968	40,489	58,867	99,356	3,032	96,324
1969	24,402	45,367	69,769	2,095	67,674
1970	18,872	46,908	65,780	1,456	64,324
1971	22,249	50,019	72,268	890	71,378
1972	36,540	70,215	106,755	3,030	103,725
1973	23,284	67,419	90,703	1,740	88,963
1974	25,131	69,137	94,268	1,691	92,577
1975	26,008	31,106	57,114	2,161	54,953
1976	24,971	53,873	78,844	1,829	77,015
1977	23,496	50,036	73,532	1,776	71,756
1978	26,376	48,717	75,093	1,555	73,538
1979	30,369	49,756	80,125	1,591	78,534
1980	19,809	51,178	70,987	1,839	69,148

TABLE A27.--EXVESSEL, WHOLESALE, AND RETAIL PRICES OF SARDINES, MONTHLY, 1977-81

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVERAGE
EXVESSEL PRICE, MAINE SEA HERRING (1)													
	CENTS PER POUND												
1977	-	4.5	4.8	4.5	4.7	4.5	4.9	4.9	4.9	4.9	4.9	4.9	4.9
1978	4.9	5.0	5.0	5.3	5.7	5.8	5.8	5.8	5.5	5.5	5.1	6.0	5.7
1979	6.5	6.4	6.3	20.0	5.3	5.7	5.7	4.9	4.9	4.9	4.9	4.9	5.1
1980	19.0	-	-	15.0	5.0	5.9	5.3	5.6	5.5	5.6	5.6	-	5.5
1981	-	6.0											
WHOLESALE PRICE, CANNED MAINE SARDINES, AT NEW YORK CITY (2)													
	DOLLARS PER CASE												
1977	23.10	23.10	23.10	24.10	24.10	24.10	24.10	24.10	25.10	25.10	25.10	27.10	24.35
1978	27.10	27.10	28.10	28.10	30.10	30.10	30.10	32.10	32.10	32.10	32.10	32.10	30.10
1979	32.10	32.10	32.10	32.10	32.10	32.10	32.10	32.10	32.10	32.10	32.10	32.10	32.10
1980	32.10	32.10	32.10	33.60	34.10	35.24	36.00	36.00	34.00	34.00	35.00	36.00	34.19
1981	36.00	36.00	36.00	36.00									
RETAIL PRICE, CANNED MAINE SARDINES (3)													
	CENTS PER CAN												
1977	35.6	36.6	34.9	35.6	35.9	35.6	36.3	36.8	36.8	37.3	37.3	37.5	36.3
1978	38.9	39.4	40.1	41.7	41.3	43.4	44.8	45.7	46.2	48.0	48.3	49.2	43.9
1979	50.6	49.2	49.0	49.0	49.7	48.8	48.8	49.5	49.2	48.8	48.8	49.2	49.2
1980	49.5	48.5	49.7	49.9	50.4	50.2	52.0	52.0	51.8	52.7	52.0	54.6	51.1
1981	56.7	55.3	57.0	55.3									
RETAIL PRICE CANNED NORWAY SARDINES (4)													
	CENTS PER CAN												
1977	58.1	60.0	59.5	60.0	60.7	62.3	63.5	64.2	64.9	66.3	65.4	65.4	62.5
1978	65.9	65.4	66.8	68.7	69.1	69.6	69.4	69.4	68.9	68.7	69.4	69.8	68.4
1979	73.1	70.5	71.7	71.5	72.7	72.4	72.4	74.5	73.4	72.0	74.3	74.1	72.7
1980	74.1	72.2	74.3	77.6	80.2	83.2	85.8	85.5	88.1	88.6	89.8	92.3	82.6
1981	94.5	94.7	94.2	93.3									

(1) SOURCE: MAINE LANDINGS -- RESOURCE STATISTICS DIVISION, NMFS: BASED ON ROUND WEIGHT.
(2) SOURCE: NEW YORK MARKET NEWS OFFICE -- RESOURCE STATISTICS DIVISION, NMFS.
(3) SOURCE: OPERATION PRICE WATCH -- FISHERIES DEVELOPMENT DIVISION, NMFS.
(4) SOURCE: OPERATION PRICE WATCH -- FISHERIES DEVELOPMENT DIVISION, NMFS.

TABLE A28.--RECEIPTS OF DOMESTIC-CAUGHT TUNA AND BONITO BY U.S. CANNERIES, INCLUDING AMERICAN SAMOA AND PUERTO RICO, 1979-81

MONTH	RECEIPTS OF TUNA									RECEIPTS OF BONITO (2)
	CONTINENTAL U.S.					AMERICAN SAMOA, PUERTO RICO, AND HAWAII			TUNA, GRAND TOTAL	
	ALBACORE	BLUEFIN	SKIPJACK	YELLOWFIN	TOTAL	SKIPJACK	YELLOWFIN (1)	TOTAL		
	SHORT TONS									
1979										
JANUARY	397	-	2,095	1,169	3,661	3,809	2,481	6,290	9,951	184
FEBRUARY	48	-	1,626	2,863	4,537	3,577	2,952	6,529	11,066	81
MARCH	136	-	5,235	14,736	20,107	3,519	2,433	5,952	26,059	7
1ST QTR	581	-	8,956	18,768	28,305	10,905	7,866	18,771	47,076	272
APRIL	507	-	12,042	14,395	26,944	2,125	767	2,892	29,836	-
MAY	442	268	5,188	11,006	16,904	6,919	3,448	10,367	27,271	31
JUNE	-	276	3,327	6,138	9,741	3,820	3,914	7,734	17,475	109
2ND QTR	949	544	20,557	31,539	53,589	12,864	8,129	20,993	74,582	140
JULY	20	1,705	7,970	12,569	22,264	2,365	1,855	4,220	26,484	580
AUGUST	1,449	2,016	3,614	9,289	16,368	552	58	610	16,978	159
SEPTEMBER	1,418	1,087	2,618	6,650	11,773	2,828	2,113	4,941	16,714	190
3RD QTR	2,887	4,808	14,202	28,508	50,405	5,745	4,026	9,771	60,176	929
OCTOBER	2,278	327	3,865	6,430	12,900	3,221	3,526	6,747	19,647	90
NOVEMBER	207	400	5,253	12,675	18,535	2,804	4,000	6,804	25,339	135
DECEMBER	11	44	3,927	7,684	11,666	1,845	4,490	6,335	18,001	244
4TH QTR	2,496	771	13,045	26,789	43,101	7,870	12,016	19,886	62,987	469
YEAR	6,913	6,123	56,760	105,604	175,400	37,384	32,037	69,421	244,821	1,810
1980 (3)										
JANUARY	4	-	1,300	1,447	2,751	834	1,229	2,063	4,814	664
FEBRUARY	-	-	2,260	3,324	5,584	3,359	1,068	4,427	10,011	1,174
MARCH	11	-	4,176	8,264	12,451	3,641	3,312	6,953	19,404	1,326
1ST QTR	15	-	7,736	13,035	20,786	7,834	5,609	13,443	34,229	3,164
APRIL	-	-	15,136	19,216	34,352	2,696	2,067	4,763	39,115	806
MAY	-	-	12,058	7,113	19,171	3,577	3,423	7,000	26,171	99
JUNE	-	206	7,296	5,911	13,413	97	91	188	13,601	123
2ND QTR	-	206	34,490	32,240	66,936	6,370	5,581	11,951	78,887	1,028
JULY	299	562	11,576	7,928	20,365	390	304	694	21,059	918
AUGUST	1,505	647	8,758	11,126	22,036	2,336	1,018	3,354	25,390	107
SEPTEMBER	2,568	467	9,509	11,369	23,913	4,051	2,713	6,764	30,677	610
3RD QTR	4,372	1,676	29,843	30,423	66,314	6,777	4,035	10,812	77,126	1,635
OCTOBER	2,288	458	6,507	7,121	16,374	1,390	1,427	2,817	19,191	265
NOVEMBER	952	15	2,901	3,133	7,001	1,779	1,241	3,020	10,021	261
DECEMBER	64	-	5,806	10,304	16,174	3,961	3,593	7,554	23,728	134
4TH QTR	3,304	473	15,214	20,558	39,549	7,130	6,261	13,391	52,940	660
YEAR	7,691	2,355	87,283	96,256	193,585	28,111	21,486	49,597	243,182	6,487
1981 (3)										
JANUARY	2	-	677	2,779	3,458	502	2,496	2,998	6,456	98
FEBRUARY	21	-	932	2,527	3,480	1,111	3,729	4,840	8,320	-
MARCH	-	-	3,457	1,564	5,021	2,301	1,707	4,008	9,029	58
1ST QTR	23	-	5,066	6,870	11,959	3,914	7,932	11,846	23,805	156
APRIL	-	-	11,840	9,245	21,085					138
MAY										
JUNE										
2ND QTR										
JULY										
AUGUST										
SEPTEMBER										
3RD QTR										
OCTOBER										
NOVEMBER										
DECEMBER										
4TH QTR										
YEAR										

(1) INCLUDES SMALL AMOUNTS OF ALBACORE AND BLUEFIN.
(2) RECEIPTS AT CONTINENTAL U.S. CANNERIES.
(3) PRELIMINARY.

SOURCE: FISHERY MARKET NEWS REPORT, TERMINAL ISLAND, CALIFORNIA -- RESOURCE STATISTICS DIVISION, NMFS.

Table A29.--U.S. imports of fresh and frozen tuna, by type and country, annual, 1978-80

Type and country	1978	1979	1980
		Thousand pounds	
Albacore			
Neth. Antilles	4,214	276	3,065
Uruguay	5,852	1,567	3,534
Malaysia	4,123	602	211
Singapore	4,912	5,546	5,520
Rep. of Korea	10,829	48,999	8,630
China-Taiwan	37,511	37,826	21,122
Japan	48,440	45,297	35,816
Br. Pacific Island	12,724	10,651	9,224
South Africa Republic	6,817	10,148	17,404
Other	23,690	17,856	22,879
Total	159,112	178,771	127,405
Other tuna			
Mexico	35,766	18,761	9,160
Panama	29,356	55,680	35,719
Venezuela	20,556	11,169	8,955
Ecuador	27,128	37,057	25,642
France	19,218	8,891	24,090
Spain	19,717	9,793	12,115
Philippines	34,910	58,526	60,434
Japan	118,609	70,663	122,407
Papua New Guinea	49,618	47,601	39,126
Ivory Coast	17,511	4,913	1,256
Ghana	17,481	8,235	12,689
Other	127,026	121,592	113,281
Total	516,896	452,881	464,874
Grand total	676,008	631,652	592,279

Source: U.S. Department of Commerce, Bureau of the Census.

TABLE A30.--TUNA AND BONITO PACK AT U.S. CANNERIES, INCLUDING AMERICAN SAMOA AND PUERTO RICO, 1979-81

MONTH	TUNA PACK									BONITO PACK
	CONTINENTAL U.S.			AMERICAN SAMOA, PUERTO RICO, AND HAWAII			TUNA, TOTAL			
	WHITE	LIGHT	TOTAL	WHITE	LIGHT	TOTAL	WHITE	LIGHT	TOTAL	
	THOUSAND STANDARD CASES									
1979										
JANUARY	81	832	913	248	1001	1249	329	1833	2162	7
FEBRUARY	61	451	512	365	1042	1407	426	1493	1919	3
MARCH	151	1306	1457	514	928	1442	665	2234	2899	-
1ST QTR	293	2589	2882	1127	2971	4098	1420	5560	6980	10
APRIL	86	1576	1662	355	884	1239	441	2460	2901	-
MAY	54	1138	1192	304	901	1205	358	2039	2397	2
JUNE	5	720	725	55	944	999	60	1664	1724	3
2ND QTR	145	3434	3579	714	2729	3443	859	6163	7022	5
JULY	2	1108	1110	366	1022	1388	368	2130	2498	18
AUGUST	86	1179	1265	400	801	1201	486	1980	2466	9
SEPTEMBER	145	890	1035	522	793	1315	667	1683	2350	8
3RD QTR	233	3177	3410	1288	2616	3904	1521	5793	7314	35
OCTOBER	175	892	1067	166	1249	1415	341	2141	2482	4
NOVEMBER	51	1206	1257	528	1039	1567	579	2245	2824	5
DECEMBER	78	972	1050	141	926	1067	219	1898	2117	9
4TH QTR	304	3070	3374	835	3214	4049	1139	6284	7423	18
YEAR	975	12270	13245	3964	11530	15494	4939	23800	28739	68
1980										
JANUARY	28	421	449	226	864	1090	254	1285	1539	23
FEBRUARY	11	387	398	202	672	874	213	1059	1272	42
MARCH	122	865	987	416	774	1190	538	1639	2177	47
1ST QTR	161	1673	1834	844	2310	3154	1005	3983	4988	112
APRIL	67	1979	2046	266	592	858	333	2571	2904	29
MAY	33	1412	1445	246	985	1231	279	2397	2676	3
JUNE	59	1121	1180	332	741	1073	391	1862	2253	5
2ND QTR	159	4512	4671	844	2318	3162	1003	6830	7833	37
JULY	87	1490	1577	140	929	1069	227	2419	2646	33
AUGUST	106	1520	1626	498	1189	1687	604	2709	3313	4
SEPTEMBER	211	1333	1544	369	1436	1805	580	2769	3349	22
3RD QTR	404	4343	4747	1007	3554	4561	1411	7897	9308	59
OCTOBER	150	1208	1358	447	1088	1535	597	2296	2893	9
NOVEMBER	88	665	753	110	1118	1228	198	1783	1981	10
DECEMBER	35	1102	1137	1030	1578	2608	1065	2680	3745	4
4TH QTR	273	2975	3248	1587	3784	5371	1860	6759	8619	23
YEAR	997	13503	14500	4282	11966	16248	5279	25469	30748	231
1981										
JANUARY	48	490	538	147	1164	1311	195	1654	1849	3
FEBRUARY	20	426	446	217	850	1067	237	1276	1513	-
MARCH	112	521	633	375	1017	1392	487	1538	2025	2
1ST QTR	180	1437	1617	739	3031	3770	919	4468	5387	5
APRIL	85	1534	1619							5
MAY										
JUNE										
2ND QTR										
JULY										
AUGUST										
SEPTEMBER										
3RD QTR										
OCTOBER										
NOVEMBER										
DECEMBER										
4TH QTR										
YEAR										

(1) PRELIMINARY. REVISED ANNUAL DATA PUBLISHED IN FISHERIES OF THE UNITED STATES, 1980.

SOURCE: FISHERY MARKET NEWS REPORT, TERMINAL ISLAND, CALIFORNIA — RESOURCE STATISTICS DIVISION, NMFS.

TABLE A31.--EXVESSEL PRICES OF TUNA, MONTHLY 1977-81

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVERAGE
	DOLLARS PER TON												
ALBACORE													
1977	1000	1000	1000	1000	-	-	1165	1165	1165	1165	1165	1165	1099
1978	1165	1165	1165	1165	-	1220	1220	1220	1220	1220	1220	1220	1200
1979	1220	1220	1220	1220	1220	1220	-	1320	1320	1390	1390	1390	1285
1980	1390	-	1390	-	-	-	1610	1610	1610	1620	1635	1635	1563
1981	1635	1635	-	-									
BLUEFIN													
1977	-	-	-	-	765	772	777	800	800	800	800	807	790
1978	810	-	-	-	-	820	820	820	820	820	820	820	819
1979	820	-	-	-	852	849	866	894	930	930	930	930	889
1980	930	-	-	-	-	1180	1180	1180	1180	1180	1180	1180	1149
1981	1180	-	-	-									
SKIPJACK (2)													
1977	602	620	620	620	704	748	748	748	765	765	770	777	707
1978	783	790	790	790	790	790	790	790	790	790	790	773	788
1979	765	746	745	750	761	775	785	814	827	836	850	850	792
1980	943	1037	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1082
1981	1100	1100	1100	1100									
YELLOWFIN (2)													
1977	639	665	665	665	755	797	803	803	820	820	823	828	757
1978	833	840	840	840	840	840	840	840	840	840	840	840	839
1979	840	840	845	851	861	875	885	914	927	936	950	950	890
1980	1075	1137	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1184
1981	1200	1200	1200	1200									

(1) MIDPOINTS OF PRICE RANGES RECEIVED FROM CALIFORNIA CANNERS.
(2) PREMIUM GRADE.

SOURCE: FISHERY MARKET NEWS REPORT, TERMINAL ISLAND, CALIFORNIA -- RESOURCE STATISTICS DIVISION, NMFS.

TABLE A32.--CANNED TUNA WHOLESALE AND RETAIL PRICES, MONTHLY 1977-81

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVERAGE
WHOLESALE PRICE -- ADVERTISED LABELS (1)													
	DOLLARS PER CASE												
WHITE SOLID (NO. 1/2 -- 7 OZ. 48'S), IN WATER													
1977	39.00	39.00	39.00	39.00	39.00	39.00	39.00	39.75	40.50	40.50	41.78	42.00	39.79
1978	42.00	42.00	42.00	42.00	42.25	42.50	42.88	46.00	46.00	46.00	46.00	46.00	43.80
1979	46.00	46.00	46.00	46.50	47.25	48.00	48.00	48.20	50.00	50.00	50.00	50.00	48.00
1980	50.00	50.00	51.00	52.25	53.00	53.00	54.39	55.57	56.70	57.93	58.58	59.50	54.33
1981	60.50	60.50	60.50	60.75									
LIGHT CHUNK (NO. 1/2 -- 6-1/2 OZ. 48'S), IN OIL													
1977	29.50	29.50	29.50	29.50	30.25	33.00	33.00	33.00	33.00	33.00	33.75	34.00	31.75
1978	34.00	34.00	34.00	34.00	34.25	34.50	34.50	35.00	35.10	36.00	36.00	36.00	34.78
1979	36.00	36.00	36.00	36.25	36.63	37.00	38.00	38.20	40.00	40.00	40.00	41.00	37.92
1980	41.33	42.40	43.00	43.38	44.90	45.50	45.75	46.50	47.50	47.80	49.00	49.50	45.55
1981	50.00	50.00	50.00	50.00									
WHOLESALE PRICE -- PRIVATE LABELS (1)													
	DOLLARS PER CASE												
WHITE SOLID (NO. 1/2 -- 7 OZ. 48'S), IN OIL													
1977	37.50	37.50	37.50	37.50	37.50	37.50	37.50	38.62	39.00	39.00	39.00	39.00	38.09
1978	39.00	38.50	38.50	38.50	38.50	38.50	38.50	40.25	40.50	(3)	(3)	(3)	38.97
1979	40.33	39.50	39.50	40.31	41.25	41.25	41.25	41.45	42.25	42.50	43.45	43.75	41.40
1980	44.00	44.80	45.63	47.50	47.50	47.50	47.50	47.50	49.00	50.40	51.50	51.88	47.89
1981	52.25	52.25	52.50	53.63									
LIGHT CHUNK (NO. 1/2 -- 6-1/2 OZ. 48'S) IN OIL													
1977	22.50	22.50	22.88	26.80	28.00	29.50	29.50	29.50	29.50	29.50	29.50	29.30	27.41
1978	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.00	28.00	(3)	(3)	(3)	28.39
1979	27.83	27.75	28.00	28.25	28 50	28.70	30.00	30.20	31.00	31.13	31.90	33.00	29.69
1980	34.00	35.00	35.63	38.13	38.50	38.50	38.50	38.50	38.88	39.30	39.50	39.50	37.83
1981	39.50	39.50	39.50	39.50									
RETAIL PRICE (2)													
	CENTS PER CAN												
WHITE SOLID (7-OZ. CAN)													
1977	95.4	98.0	98.0	98.4	99.3	97.6	100.6	100.6	101.9	101.9	102.4	105.4	100.0
1978	105.9	106.3	105.4	106.8	107.2	111.1	109.8	111.6	113.3	116.4	117.7	117.3	110.7
1979	117.7	117.3	117.7	117.7	118.6	122.1	123.4	122.1	122.9	123.4	127.3	127.3	121.4
1980	126.0	127.3	126.0	128.6	132.1	133.0	135.2	138.3	140.9	142.2	144.4	144.4	134.9
1981	150.5	151.8	150.5	151.4									
LIGHT CHUNK (6-1/2 OZ. CAN)													
1977	60.9	65.8	63.0	64.2	67.0	65.4	71.1	73.5	73.1	71.5	73.5	75.2	68.7
1978	76.0	75.6	73.9	75.2	75.6	76.8	78.0	77.2	76.8	78.0	80.0	76.8	76.6
1979	80.0	81.7	81.3	79.6	80.8	82.1	78.0	82.5	84.9	82.1	82.9	84.1	81.7
1980	85.7	84.5	89.0	86.9	88.6	91.8	95.1	97.1	100.3	99.5	96.3	101.2	93.0
1981	106.0	104.0	101.6	101.2									

(1) SOURCE: FISHERY MARKET NEWS REPORT, TERMINAL ISLAND, CAL. -- RESOURCE STATISTICS DIVISION, NMFS; REPORTED BY CALIFORNIA BROKERS AND CANNERY REPRESENTATIVES, F.O.B. CANNER'S TERMINAL. QUOTES DO NOT INCLUDE TRADE OR PROMOTIONAL ALLOWANCES.
(2) SOURCE: OPERATION PRICE WATCH -- FISHERIES DEVELOPMENT DIVISION, NMFS.
(3) NO QUOTES.

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